Lancaster Farming

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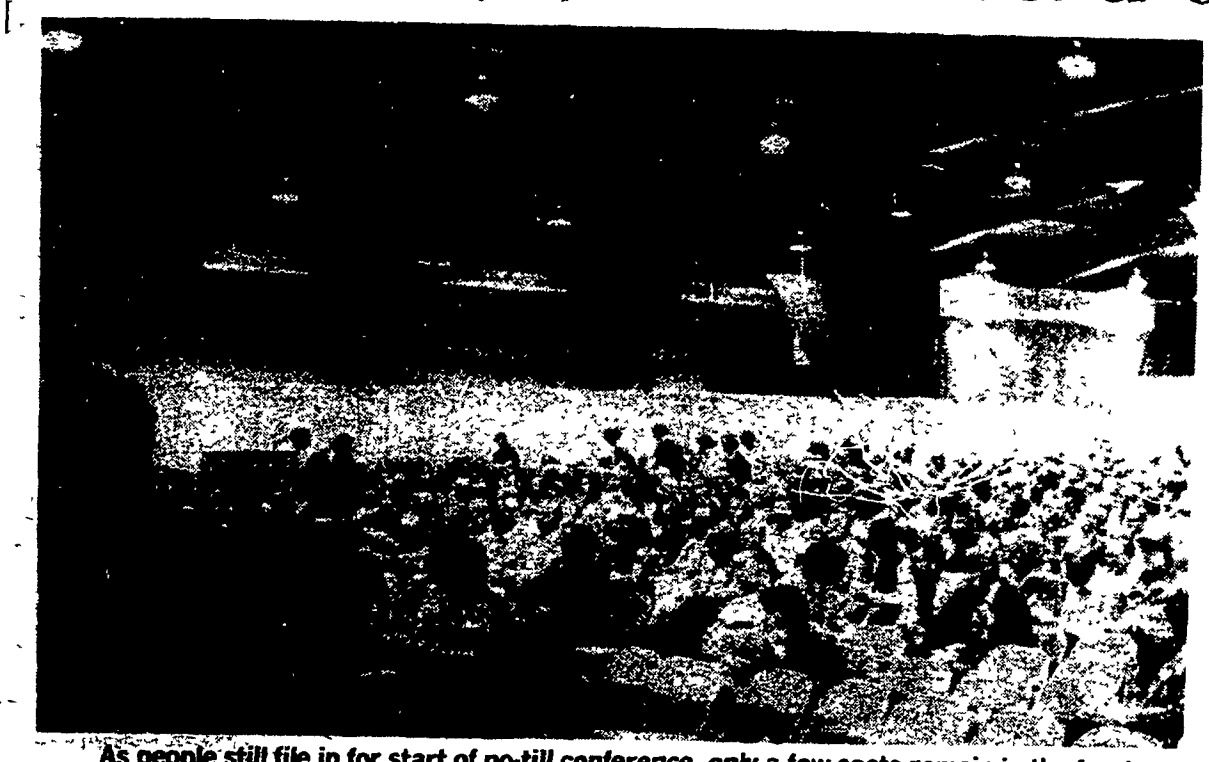
No-till draws record crowd at York



As people still file in for start of no-till conference, only a few seats remain in the front rows.

BY DICK ANGLESTEIN

YORK — There was no room at the inn on Thursday.

Or more appropriately there was no room in Memorial Hall of the York Fairgrounds at the 9th Annual Mid-Atlantic No-Till Conference.

Some 1800 seats were set up and there may have been a few empty. But a number of people were standing along the sides of the hall for the program and others were still wandering through the exhibits as Extension representatives from six states outlined the latest in no-till research.

In addition to the record attendance, an all-time high of 50 exhibitors displayed their latest no-till wares at the one-day conference.

There were herbicides and seeds galore, along with equipment, particularly no-till planters.

The conference, which has been increasing steadily in popularity each year, was dedicated to the memory of the late Willis "Bill" McClellan, Penn State agronomist.

From the opening discussion of "Improving No-Till Forage Seedings" by Harlan White of VPI to the closing presentation on "Weed Control" by John Meade, of Rutgers, the attention of the record crowd of attending farmers was held by the Extension personnel.

Heading up the day-long program were John Harris, Perry County Extension Agent, who hosted the morning session as Conference Chairman, and Robert Jones, Carroll County, Md Extension Agent, who hosted the afternoon portion as vice chairman.

Other Extension personnel from the Mid-Atlantic Region participating in the program were Nathan Hartwig, Penn State; Gary Smith, University of Maryland; Kenneth Wells, University of Kentucky; Ronald Ritter, University of Maryland; and Elwood Hatley, Penn State.

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Holiday Notice

With the holidays just around the corner, LANCASTER FARMING has been looking ahead to their last two issues for 1982, and a promising new year highlighted by the annual Farm Show issue.

Our next two issues will be advanced a day, thus creating the following deadlines: Display ads at noon on Tuesday, Dec. 21 and 28; Classified ads at 9 a.m. on Wednesday, Dec. 22 and 29; Mailbox markets at 5 p.m. on Monday, Dec. 20 and 27; and News at 5 p.m. on Wednesday, Dec. 22 and 29.

The annual Farm Show issue will be in your mailbox on Jan. 8, one day before the show opens.

Advertising deadline for this issue are Wednesday, Dec. 29 and the news deadline is Wednesday, Jan. 5. We urge you to contact us with your Farm Show information at LANCASTER FARMING, P.O. Box 366, Lititz, Pa. 17543, or call (717) 394-3047 or (717) 626-1164.

USDA reveals 50-cent refund plan

BY DONNA TOMMELLEO

WASHINGTON, D.C. — In keeping with amended dairy price support law and before a second 50-cent per hundredweight deduction could be assessed from dairy checks on April, 1, 1983, U.S. Agriculture Secretary John Block, Thursday, announced proposed guidelines for a refund program for eligible dairy producers.

According to USDA economist Charles Shaw, a two-year base period beginning Oct. 1, 1980 and ending Sept. 30, 1982 will be used in determining average annual production. However, regulations in the second phase of the amended support program are subject to a 60-day public comment period, which must be received by Feb. 15, 1983, Shaw said.

Production averages from the base period will be compared with actual production in marketing year 1983, from April to September. The Secretary, said Shaw, has not yet set the percentage of reduction eligible for refund, as he is awaiting figures on estimated surplus.

"By law, the reduction cannot exceed estimated surplus," Shaw reported.

The new regulations also provide for the definition of surplus, Shaw noted.

"Surplus is the milk equivalent of dairy products which the Secretary estimated will be purchased by the Commodity Credit Corporation," he explained.

Block's announcement, however, did not include any changes in the first phase of the program, which began with a non-refundable 50-cent per hundredweight deduction on Dec. 1, 1982.

The refunds will not operate on a pro-rata basis, said Shaw. For example, if the estimated surplus is set at 10 percent and a producer reduces production by five percent, he or she cannot receive 25 cents per hundredweight. The same is true of a reduction in excess of the estimated surplus.

To file for refund, producers must apply with their county ASCS committee.

"The producer must be responsible for bringing in records for that marketing year," Shaw explained.

The regulations, however, do not specify what constitutes an official record or timetable by which a producer should report to the ASCS. Shaw indicated such mechanics of the program are subject to change during the public comment period.

"There are many areas with different possibilities," he added.

Eventually a handbook, with the completed program will be published for producers and collection and refund agents.

Guidelines for the proposed refund program appeared in yesterday's Federal Register. All public comment for the next 60 days should be directed to: Director of Analysis Division, USDA-ASCS, P.O. Box 2415, Room 3741-5, Washington, D.C., 20013.

Swine reps favor continued PRV control

HARRISBURG — Continued control of pseudorabies instead of an all-out effort at eradication through depopulation was favored Wednesday night by a group of swine industry representatives attending a meeting called by the Bureau of Animal Industry of the Pennsylvania Department of Agriculture.

Concensus among hog farmers and representatives of markets, Pork Producers and Swine Breeders was that eradication is the ultimate goal of any program but any direct effort would be next to impossible at this time for a number of reasons:

–Finances. With some 1600 sows involved in eight problem herds, the cost of depopulation, cleanup, downtime, loss of income and repopulation would top a half million dollars.

–Lack of Federal Support. In the absence of any federal regulations concerning pseudorabies, the number of unidentified feeder pigs coming into the state and particularly Lancaster County would make Pennsylvania eradication meaningless.

–Imported breeding stock. The importation of breeding stock from the West could also be another possible source of reintroduction if eradication were done.

–And does the industry really know that all of the infected herds in the state have been detected and put under quarantine?

To illustrate the number of feeder pigs coming into Lancaster County, a representative of Lancaster Stockyards estimated that half of the feeders there originate out-of-state.

Concerning control, a question was put forth whether the industry would support an identification program in which only blood-tested pigs or those from PRV-free herds would be permitted into the state.

The question largely remained unanswered as enforcement across state lines was discussed. Some out-of-state producers from New Jersey and Maryland attended, along with Pennsylvania farmers, Extension and Penn State personnel.

With continued control, no significant change in the status of pseudorabies is expected within

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Ag budget deletes milk standards

WASHINGTON, D.C. — The Congressional conference committee on fiscal 1983, last week, threw out an amendment by California Senator S.I. Hayakawa, which would have provided for higher milk solids content standards.

The amendment targeted a rise in solids content to 8.7 percent in whole milk, 10 percent in low fat and 9 percent in skim milk, said Hayakawa aide Darryl Nirenberg.

Nirenberg explained the Hayakawa amendment was in effect a legislative provision which was tacked on to the appropriation bill.

"An appropriation bill has to be passed," Nirenberg stated. Consequently, conferees deleted anything extra.

Although the California Senator will retire after this session, Nirenberg reported the amendment is expected to appear in the next Congressional session.

Meanwhile, the committee modified an amendment calling for mandatory use of FmHA economic emergency loans. Instead, the language was modified to give the Secretary of Agriculture disgression to "help the family farm stay in business during the current difficulties."

For brucellosis eradication, the committee compromised on the House and Senate version and allocated $84,346,000 for whole herd depopulation.

The total budget agreed on for conservation target $804,225,000 for soil-saving use. —DT

Livestock market and auction news

Lancaster Market

Monday, Dec. 13
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	841	124	586	433
Last Monday	1050	214	1180	285
Last Year	578	82	1178	419
Monday's Auction	643	121	627	512
Last Monday's Auction	961	214	1182	298

CATTLE: Compared to last Monday slaughter steers steady to firm; slaughter heifers steady; cows weak to 1.00 lower; bullocks not fully tested; bulls mostly steady. Supply included 62 percent slaughter steers.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1140-1325 lb. 61.75-62.00; Good and Choice 1-2 1075-1275 lb. 61.25-62.25; Choice 2-4 1050-1425 lb. 59.50-61.00, few 61.00-61.85; high Good and low Choice 2-3 1100-1350 lb. 56.50-59.50; Good 2-3 54.00-57.00; Good and Choice 1250-1450 lb. Holsteins 51.00-54.10.

SLAUGHTER HEIFERS: Choice 2-3 875-1075 lb. 55.00-58.00, few 58.00-59.00, couple yield grade 2 60.00-62.75; Good 2-3 825-1025 lb. 51.00-55.50.

COWS: Utility and Commercial 1-3 38.00-40.00, few 40.50-41.50; Cutter 1-2 36.00-38.75; Canner and low Cutter 33.50-35.50.

BULLOCKS: Few Choice 1050-1250 lb. 57.50-59.50; Good 1000-1225 lb. 53.00-56.75.

BULLS: Yield grade 1 1400-1900 lb. 51.00-55.00, couple 55.10-55.85, couple 61.35-61.75; yield grade 2 1000-1300 lb. 45.00-51.00, mainly 48.00-50.50.

VEAL CALVES: Vealers fully steady. Demand good for Holstein bulls to return to farm.

VEALERS: Prime special fed 270-350 lb. 110.00-118.00; Choice 150-225 lb. 95.00-110.00, few 110.00-115.00; Choice 225-300 lb. 90.00-100.00; high Good and low Choice 160-280 lb. 75.00-90.00, 115-160 lb. 55.00-75.00, 80-115 lb. 45.00-54.00.

SLAUGHTER CALVES: Good and Choice 180-330 lb. 45.00-63.00.

RETURNED TO FARM: Bulk 90-115 lb. Holstein bulls 68.00-75.00.

HOGS: Compared to last Wednesday barrows and gilts 50-75 higher, few sales US 1 2.00 higher.

BARROWS AND GILTS: US 1-2 200-245 lb. 56.75-57.50; US 1 210-240 lb. 58.50-59.50. Around 25 head selected 60.00-60.50; US 1-3 195-260 lb. 56.00-56.75.

SHEEP: Wooled lambs 1.00-2.00 higher; slaughter ewes fully steady. Supply included around 50 head 40-50 lb. new crop lambs and around 60 goats.

WOOLED LAMBS: Choice and Prime 85-110 lb. 55.00-60.00; Choice 70-100 lb. 53.00-55.00; Good 45-80 lb. 45.00-52.00; several 40-50 lb. Choice new crop 100.00-120.00, few 50-60 lb. 60.00-90.00.

SLAUGHTER EWES: Utility and Good 15.00-30.00, mainly 18.00-25.00.

GOATS: All goats sold by the head, mainly 25.00-40.00, few 40.00-50.00.

Vintage Auction

Tuesday, Dec. 14
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	919	843	26	0
Last Tuesday	916	955	85	12
Last Year	620	747	10	

CALVES: Compared to last Tuesday slaughter steers firm to 50 higher, advance mainly on Good to average Choice; slaughter heifers not fully tested; cows 50-1.00 lower; bulls steady to weak. Supply included 46 percent slaughter steers and 47 percent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1200-1425 lb. 61.50-62.10, couple 63.25-63.60; Good and Choice 1-2 61.00-63.00, couple 63.75-64.50; Choice 2-4 1050-1425 lb. 59.50-61.75; high Good and low Choice 2-3 1000-1375 lb. 57.00-60.00; Good 2-3 54.00-57.50; Good and Choice 1200-1450 lb. Holsteins 51.00-53.50; few Standard 1-2 48.00-51.00.

SLAUGHTER HEIFERS: Few Choice 2-3 850-1050 lb. 53.75-56.25.

COWS: Utility and Commercial 1-3 37.25-40.00, few 40.50-41.50; Commercial 3-4 33.75-46.50; Cutter 1-2 35.50-38.75, few 39.00-39.50; Canner and low Cutter 32.00-35.25.

BULLS: Yield grade 1 1400-2275 lb. 49.00-52.85; couple yield grade 2 45.85-50.00.

VEAL CALVES: Vealers firm to 3.00 higher, although Choice and Prime not tested. Supply included 527 in graded sale of which 72 percent sold to return to farm.

VEALERS: Couple Choice 220-240 lb. 85.00-89.00, few Choice 140-180 lb. 76.00-80.00; high Good and low Choice 120-240 lb. 58.00-75.00, 90-115 lb. 49.00-54.00; few Choice 105-115 lb. 54.00-59.00; high Good and low Choice 80-90 lb. 44.50-50.00, few 60-75 lb. 36.00-45.50.

RETURNED TO FARM: 55 head 90-115 lb. Holstein heifers 55.00-60.00; 15 head 80 lb. 49.50. Bulk 90-125 lb. Holstein bulls 75.00-83.00, including 176 head 100-115 lb. in graded sale 81.50-82.50; 25 head small frame 110-115 lb. 73.50-76.00 and 45 head 100-105 lb. 54.50-55.00.

SHEEP: Insufficient volume for a market test.

Lancaster Auction

Wednesday, Dec. 15
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	445	25	635	16
Last Wednesday	359	24	516	13
Last Year	283	16	768	4
Wednesday's Auction	217	31	635	111
Last Wednesday's Auction	113	30	477	2

CATTLE: Insufficient volume to fully test trends; few sales slaughter steers mostly steady; cows steady to weak.

SLAUGHTER STEERS: Choice 2-4 1050-1400 lb. 59.50-61.00, few head 61.00-61.75; high Good and low Choice 2-3 1000-1250 lb. 56.50-59.50; Good 2-3 54.00-56.50; few head Standard and Good 1090-1350 lb. Holsteins 47.00-49.50.

SLAUGHTER HEIFERS: Few head Choice 2-3 900-1050 lb. 53.50-55.50.

COWS: Utility and Commercial 1-3 36.50-38.50; Commercial 3-4 33.50-36.50; Cutter 1-2 35.50-37.25; Canner and low Cutter 33.00-34.50.

BULLS: Couple yield grade 1 1275-1800 lb. 49.10-53.75; few yield grade 2 1050-1350 lb. 43.75-47.50. Couple Choice bullocks 1075-1250 lb. 55.75-57.25.

VEAL CALVES: Small supply vealers mostly steady.

VEALERS: High Good and low Choice 80-115 lb. 42.00-55.00. Few 90-115 lb. Holsteins bulls returned to farm at 60.00-65.00.

SHEEP: Wooled lambs and slaughter ewes steady.

WOOLED LAMBS: Good 50-70 lb. 45.00-55.00.

SLAUGHTER EWES: Utility and Good 10.00-26.00, mainly 15.00-22.00.

New Holland Livestock

Thursday, Dec. 16

CATTLE: 768. Compared to last Tuesday slaughter steers weak to .50 lower, although high Choice and Prime not tested; slaughter heifers steady; cows 1.00-2.00 higher; bullocks steady to weak; bulls steady. Supply included 40 percent slaughter steers, 6 percent slaughter heifers, 46 percent cows and 8 percent bulls.

SLAUGHTER STEERS: Choice 2-4 1050-1425 lb. 59.00-61.50, few 61.50-62.00; high Good and low Choice 2-3 55.75-60.00; Good 2-3 53.00-56.50; few Choice 1200-1450 lb. Holsteins 53.00-57.75; Good 2-3 49.00-53.00; Standard 1-2 45.00-48.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1050 lbs. 54.25-56.50, few 56.60-58.00; Good 2-3 850-1050 lbs. 52.00-54.00.

COWS: Utility and Commercial 1-3 38.25-40.50, few 40.50-41.50; Cutter 1-2 36.50-39.50; few 39.50-41.50; Canner and Low Cutter 33.50-36.50.

BULLOCKS: Choice 1150-1350 lbs. 55.50-58.00; Good 1000-1250 lbs. 50.75-55.50.

BULLS: Yield grade 1 1300-1800 lbs. 49.50-54.00, few 54.00-56.25; yield grade 2 1000-1350 lbs. 47.50-50.75.

VEAL CALVES: 554. Vealers firm to 5.00 higher, advances mainly on high Good and low Choice 80-120 lbs. Demand good for Holstein bulls to return to farm.

VEALERS: Few Choice 150-210 lbs. 100.00-114.00, bulk Choice 150-280 lbs. 90.00-100.00; high Good and low Choice 220-320 lbs. 65.00-90.00, 120-210 lbs. 55.00-70.00, 80-115 lbs. 43.00-53.00, few to 56.00; 60-75 lbs. 40.00-45.00.

RETURNED TO FARM: Bulk 90-120 lbs. Holstein bulls 65.00-85.00, few 85.00-88.00, several 85-90 lbs. 55.00-65.00.

SHEEP: 24. Insufficient volume for a market test, few head Choice 60-80 lbs. wooled lambs 66.00-81.00, couple Good 48.00-54.00, three head 60-75 lbs. new crop lambs 132.00-150.00.

SLAUGHTER EWES: Utility and Good 8.00-14.00.

GOATS: All goats sold by the head, mainly 40.00-50.00.

Lancaster County Weekly

Lancaster, PA
Fri., Dec. 17

	Cattle	Calves
This Week	3900	1550
Last Week	3944	1836
Last Year	2794	1403

CATTLE: Slaughter steers steady to firm; slaughter heifers steady. cows closed the week 1.00-2.00 higher; bullocks steady to weak; bulls steady. Supply included 32 per cent slaughter steers, 4 per cent slaughter heifers, 25 per cent cows, 5 per cent bulls, balance feeders, many held for Friday's auction.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1140-1325 lbs. 61.50-62.00, couple head 63.25-63.60; Good and Choice 1-2

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HAY, STRAW & CORN
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AUCTIONS
MONDAY & WEDNESDAY
10:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs
TUESDAY
10:00 A.M. — Slaughter Hogs
1:00 P.M. — Feeder Pigs
FRIDAY
11:00 A.M. — Stocker and Feeder Cattle
SATURDAY
9:30 A.M. — Slaughter Hogs
NOTICE
NO STOCKER AND FEEDER CATTLE SALE
FRI. DEC. 24th
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Serving The Community For 86 Years

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Sale Every Tuesday
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MONDAY'S AUCTION
8:00 A.M. - Fat Hogs
10:00 A.M. - Horse Sale
11:00 A.M. - Hay, Straw & Ear Corn
1:30 P.M. - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION
12:00 Noon - Dairy sale
1:30 P.M. - Feeder Pig Sale
THURSDAY'S AUCTION
11:00 A.M. - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
3:30 P.M. - Calf Sale
NEW HOLLAND SALES STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager
Phone 717-354-4341

Hog Markets

Lancaster Feeder Pigs

Tuesday, Dec. 14
Report supplied by USDA

Today	1181
Last Tuesday	1004
Last Year	1253

TREND: Compared to last Tuesday feeder pigs steady to weak, instances 10.00 lower on US 1-2 20-40 lb. All pigs weighed on arrival and sold by the hundredweight.

US 1-2: 72 head 21-29 lbs. 132.00-154.00; 58 head 30-39 lbs. 124.00-129.00; 298 head 40-49 lbs. 130.00-140.00; 126 head 50-59 lbs. 116.00-121.00; 116 head 60-69 lbs. 97.00-109.00; 12 head 71-73 lbs. 91.00-96.00.

US 2: 57 head 40-49 lbs. 107.00-123.00; 42 head 50-59 lbs. 103.00-111.00.

US 2-3: 45 head 30-39 lbs. 130.00-134.00; 44 head 44-47 lbs. 110.00-116.00; 20 head 53-54 lbs. 100.00-108.00.

New Holland Hogs

Monday, Dec. 13
Report supplied by USDA

Today	1772
Last Monday	1914
Last Year	1266

TREND: Compared to last Monday barrows and gilts .50-1.00 higher, instances 1.50 higher.

BARROWS AND GILTS: US 1-2 200-240 lb. 57.75-58.60. US 1 205-235 lb. 58.75-59.35. US 1-3 220-250 lb. 57.00-57.75; 250-270 lb. 55.00-57.00.

Vintage Hogs

Vintage Sales Stables
Saturday, Dec. 11
Report supplied by auction

U.S. 1 & 2 205-235 lbs. 58.50-60.00; U.S. 2 & 3 200-245 lbs. 57.00-58.50; Sows 300-500 lbs., 45.00-49.50; Boars 400-700 lbs. 42.00-43.50.

Wednesday, Dec. 15

U.S. 1 & 2 205-235 lbs. 56.50-59.00; U.S. 2 & 3 200-245 lbs. 55.00-56.50; Sows 300-500 lbs, 43.50-45.00; Boars 400-700 lbs. 42.00-43.50.

Lancaster Hogs

Lancaster Stockyards
Saturday, Dec. 11
Report supplied by auction

1125 head.

US #1 215-240 lbs. 58.25-59.75, few 60.00-61.75; U.S. 1 & 2 215-245 lbs. 57.50-57.85; U.S. 2 & 3 210-255 lbs. 57.25-57.50; Heavyweights 260-284 lbs. 53.00-57.00; Sows 250 lbs. and up 42.50-45.50; Boars 200-300 lbs. 50.50-51.00, 300 lbs. and up 42.00-42.50.

Lancaster Hogs

Tuesday, Dec. 14
Report supplied by USDA

TODAY	420
LAST TUESDAY	210
LAST YEAR	285

TREND: Compared to Monday barrows and gilts uneven, bulk of US 1-2 50-1.00 higher, other grades mostly steady.

BARROWS AND GILTS: US 1-2 200-255 lb. 57.75-58.60. US 1 200-240 lb. 58.75-59.75. US 1-3 240-270 lb. 56.00-57.00. US 2-3 Couple lots 275-285 lb. 51.25-51.85.

Wednesday, Dec. 15

HOGS: Compared to Tuesday barrows and gilts mostly steady.

BARROWS AND GILTS: US 1-2 200-250 lb. 57.75-58.50. US 1 200-245 lb. 58.75-59.50, Few Selected 59.50-60.00. US 1-3 200-260 lb. 57.00-57.75. US 1-2 175-190 lb. 52.50-54.35.

Peoria Hogs

Thursday, Dec. 16
Report supplied by USDA

3000 (Currently 200 under) - Barrows & gilts moderately active, firm to mostly 50 higher on wts. under 250 lb., heaver on wts. 50-1.00 higher. US 1-2 200-240 lb. 56.00-56.50, 85 head 56.75. US 1-3 200-250 lb. 55.00-56.00.

SOWS: Under 500 lb. 50-1.00 higher, over 500 lb. steady instances 50 lower. (16%) US 1-3 350-500 lb. 46.50 to mostly 47.00; 500-650 lb. 47.00-47.50.

BOARS: Over 350 lb. 42.75; under 350 lb. 40.00-47.50.

Carlisle Feeder Pigs

Carlisle, Pa.
Friday, Dec. 10
Report supplied by auction

TREND: Compared to last month's Stated Graded Sale prices were 10.00 to 20.00 higher for US No. 1 & 2 and 4.00 to 8.00 higher for US No. 2 & 3's. Very active bidding with a strong demand for lots of 10 or more pigs with docked tails. All pig weighed on arrival and sold by the hundred weight.

US No. 1 & 2: 25-33 lbs. 111.00-120.00; 36-44 lbs. 112.50-155.00; 50-74 lbs. 87.50-122.50 (mostly 102.50-122.50).

US No. 2 & 3: 32-33 lbs. 112.50-117.50; 5 head at 73 lbs. 87.50; 5 head at 43 lbs. 97.50.

Indianapolis Hogs

Thursday, Dec. 16
Report supplied by USDA

800 - Barrows & gilts very active, steady to firm, instances 25 higher. US 1-2 200-250 lb. 56.00-56.50, mostly 56.25-56.50, 30 head 56.75. US 1-3 Few 225-255 lb. 55.50-56.25, Lot Near 280 lb. 53.00.

SOWS: Active, steady-.50 lower. (6%) US 1-3 400-550 lb. 45.50-46.50.

BOARS: Under 250 lb. 46.00; over 350 lb. 41.00.

St. Louis Hogs

Thursday, Dec. 16
Report supplied by USDA

4500 - Barrows & gilts active, firm to 50 higher. US 1-2 200-240 lb. 56.00-56.25, 240-250 lb. 55.50-56.00. US 1-3 230-250 lb. 54.50-55.50; 250-270 lb. 53.00-54.50; 270-290 lb. 52.00-53.00.

SOWS: Steady .50 higher. (About 10%) US 1-3 300-500 lb. 45.50; 500-650 lb. 46.00-48.00.

BOARS: Over 260 lb. 43.00; 200-260 lb. 49.00.

New Holland Feeder Pigs

Wednesday, Dec. 15
Report supplied by USDA

Today	1013
Last Wednesday	1203
Last Year	511

TREND: Compared to last Wednesday feeder pigs steady, instances 5.00 higher. Supply included around 300 head boars, utility, and pigs sold as is. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 55 head 29 lb. 138.00-146.00; 66 head 30-39 lb. 130.00-150.00; 120 head 40-49 lb. 116.00-136.00; 122 head 50-59 lb. 104.00-125.00; 61 head 60-69 lb. 96.00-104.00; 43 head 73-76 lb. 82.00-94.00; 7 head 97 lb. 80.00.

US 2-3 25 head 21-24 lb. 140.00-146.00; 23 head 28 lb. 128.00; 89 head 30-39 lb. 110.00-134.00; 37 head 46-48 lb. 106.00-120.00; 22 head 51-56 lb. 97.00-106.00; 46 head 64-66 lb. 82.00-93.00.

U.S. Inspected Livestock Slaughter

Thursday, Dec. 16
Report supplied by USDA Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	CALVES	HOGS	SHEEP
This Week	526,000	46,000	1,228,000	95,000
Last Week	528,000	43,000	1,181,000	109,000
Last Year	485,000	47,000	1,420,000	95,000

Market courtesy of USDA.

Chicago Grain Futures

(Closing Bids as of Thursday, Dec. 16)

	Corn	Wheat	Soybeans	Soybean Meal
Jan.			5.66¾	
Mar.	2.40¾	3.27½	5.75¾	173.70
May	2.48¾	3.35¼	5.83½	174.80
July	2.54¾	3.39¼		175.70

Trend - Corn is higher, Wheat is lower, Soybeans are lower, Soybean Meal is lower.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Joliet Cattle

Thursday, Dec. 16
Report supplied by auction

CATTLE: Slaughter steers for the week were fully 50 to 1.00 lower. Heifers finished steady. Cows were fully 1.00 lower on Monday, but not tested later. Recipts about 4500 this week; 4534 a week ago, and 4306 a year ago.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4 few 5 1150-1375 56.75-58.50, mostly 57.00-58.00, load 58.75, 3 loads 59.00. Choice 2-4 950-1400 lb. 56.00-58.25, load 3 1400 lb. 58.50. Mixed Good & Choice 2-3 900-1250 lb. 54.00-57.00.

SLAUGHTER HEIFERS: Monday load Choice 2-3 1050 lb. 57.25. Choice 2-4 900-1100 lb. 55.00-56.50; Wednesday 55.00-56.00. Mixed Good & Choice 2-3 800-1000 lb. 52.00-55.00.

COWS: Utility & Commercial 2-4 30.00-33.00. Cutter 1-2 28.00-33.00. Canner & Low Cutter 1-2 25.00-28.00.

Futures Trading

(Closing Bids as of Thursday, Dec. 16)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Feb.	57.90	57.42	
Apr.	58.17	54.35	6.60
June	60.15	55.32	

Trend - Cattle are higher, Hogs are lower. Potatoes are higher.

Market Provided
by Commodity Department
Dean Witter Reynolds, Inc.

NOTICE: HOG SALES

FRIDAY, DECEMBER 24, 1982 - 10 A.M.
SATURDAY, JANUARY 1, 1983 - 10 A.M.

You Have A Choice

If you miss Monday, there is always Wednesday

Today, as in the past, Walter M. Dunlap and Sons offers all cattle feeders the choice of what day to market their fat cattle.

Either Monday or Wednesday, we will advise you to the best of our ability what day that week we think is most advantageous to you.

So, Monday or Wednesday, you have a choice. Give us a call for market conditions and honest advice.

NEXT FEEDER PIG SALE
Tuesday, December 21 at 1 P.M.

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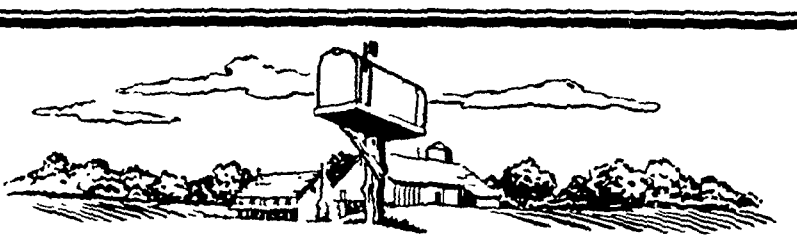

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Poultry Markets

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Dec. 14 Tuesday	Dec. 16 Thursday
Class 1 - Large	48 lbs.	55	57
Class 2 - Large	45 lbs.	48	50
Class 3 - Medium	42 lbs.	39	41½
Class 4 - Small	39 lbs.	31	31
Breaking Stock	48 lbs.	38	39
Checks	48 lbs.	33½	34

Weekly New York Egg Market

From Friday, Dec. 10 to Dec. 16

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	72	73	74	75	76
Ex Large	67	69	70	72	73
Large	64	66	67	69	70
Mediums	54	54	55	57	59
Pullets	44	44	44	45	45
BROWN					
Jumbo	–	–	–	–	–
Ex Large	84	84	84	84	86
Large	79	79	79	79	81
Mediums	61	61	61	61	61
Pullets					
Peewees	Unquoted				
Off Grade					
Large	53	55	56	58	59
Checks	27	28	28	28	28

N. E. Weekly Shell Egg Report

Tuesday, Nov. 2
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	85-88	82-85	70-75	46-52
Mostly	86	83	72-73	48-50
N. HAMP.	80-86	77-83	65-71	42-47
Mostly	82-85	79-82	67-70	43-46
R.I.	76-84	73-81	63-69	40-46
Mostly	76-86	73-77	63-65	40-42
VERMONT	86-94	80-91	70-80	–
Mostly	87-90	84-85	72-75	–
MAINE	84-88	81-85	71-73	48-49

X Includes Central and Western Sections only.

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Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 14
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .80-.92 per lb.
MUSCOVY DUCKS, HENS: range .70-.82 per lb.
PEKIN DUCKS: range .40-.52 per lb.
PULLETS: 6-8 lbs. range .47-.56 per lb.
RED FOWL: 4-5 lbs. range .08-.16 per lb.
RED FOWL: 5-6 lbs. range .15-.28 per lb.
CROSSBRED FOWL: 5-9 lbs. range .20-.32 per lb.
CROSSBRED ROOSTERS: 4-6 lbs. range .40-.70 per lb.
CROSSBRED ROOSTERS: 7-11 lbs. range .20-.56 per lb.
GUINEA FOWL: range .95-1.14 per lb.
BANTY ROOSTERS: range 1.00-2.50 ea.
BANTY HENS: range .25-1.25 ea.
LEGHORN ROOSTERS: range .20-.34 per lb.
LEGHORN HENS: range .06-.10 lb.
CAPON: 9-14 lb. range .62-.82 per lb.
GEESE: 7-18 lbs. range .30-.82 per lb.
TURKEYS: 15-19 lbs. range .46-.54 per lb.
PIGEONS: range 1.00-1.55 ea.
WHITE PIGEONS: range 1.25-2.25 ea.
RABBITS: 4-6 lbs. range .80-1.26 per lb.
RABBITS: 7-10 lbs. range .60-.92 per lb.
GUINEA PIGS: range .25-.75 ea.
GOATS: range 20.00-37.50 ea.
KID GOATS: range 16.00-28.00 ea.
TOTAL AMOUNT COOPS: 987.

Philadelphia Eggs

Friday, Dec. 16
Report supplied by USDA

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 63-67; A Large 61-64; A Medium 50-52.

Delmarva Poultry

Thursday, Dec. 16
Report supplied by USDA

Today's L.T.L. asking prices are lower on U.S. Grade A at 43-47 cents with most new trading at or under the low side of this range.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/16 1,581; Actual 12/9 1,940; Actual 12/14 1,819; Average Weights 12/14 4.28; 12/7 4.42.

New York Multiple Drop Broiler Report

Thursday, Dec. 16
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 44-47; 1,340 boxes; Branded U.S. Grade A 47-47½; 9,646 boxes.

WTD. AVG.: U.S. Grade A 45.70; Branded U.S. Grade A 47.06.

Eastern Pa. & N.J. Poultry

Wednesday, Dec. 15
Report supplied by USDA

Light Type Hens: 8-9, prices paid at farm.

F.O.B. plant: 10-11, mostly 10.

Heavy Type Hens: TFTR.

Belleville Livestock

Belleville, PA
Wed., December 15, 1982
Report supplied by PDA

CATTLE 96: Compared with last Wednesday's market, slaughter cows steady to 75 cents lower. One Standard slaughter steer at 48.60. Few Standard slaughter heifer 42.75-45.50. Utility & Commercial slaughter cows 35.00-39.00, Cutters 33.00-35.00, Canner & Low Cutter 30.25-33.00, Shells down to 15.50. One Yield Grade #1 1220 lbs. slaughter bull at 50.60. One small lot Large Frame #1 350 lbs. feeder heifers at 49.50.

CALVES 171: Few Good & Choice vealers 71.00-75.00, Standard & Good 70-100 lbs. 40.00-48.00, Utility 50-80 lbs. 30.00-40.00. Farm calves, holstein bulls 85-130 lbs. 50.00-79.00, mostly 55.00-75.00.

HOGS 131: Barrows & gilts $1.75 to $3 higher. US No. 1-2 220-250 lbs. barrows & gilts 58.00-58.85, No. 1-3 215-270 lbs. 55.00-56.00, one lot No. 2-3 350 lbs. at 51.50. US No. 1-3 290-525 lbs. sows 45.00-50.00. Few Boars 28.25-43.25.

FEEDER PIGS 290: US No. 1-3 15-20 lbs. feeder pigs 30.00-39.50 per head, No. 1-3 20-35 lbs. 39.00-48.00, No. 1-3 35-55 lbs. 46.00-60.50 per head.

SHEEP 15: Few Good & Choice 65-115 lbs. wooled slaughter lambs 41.00-49.00. HOLSTEIN DAIRY COWS $680-$1200, one at $1440 per head.

Frederick Co. Hay

Thursday, Dec. 16
Report supplied by auction

21 loads.

Alfalfa 98.00-160.00; Timothy 109.00-115.00; Timothy stems 60.00; Timothy mixed 91.00-97.50; Round bales 30.00; Straw 60.00-74.00; Locust posts 2.70 each; Oats 2.95-3.20 per bushel. Note: The auction will be open for business next week.

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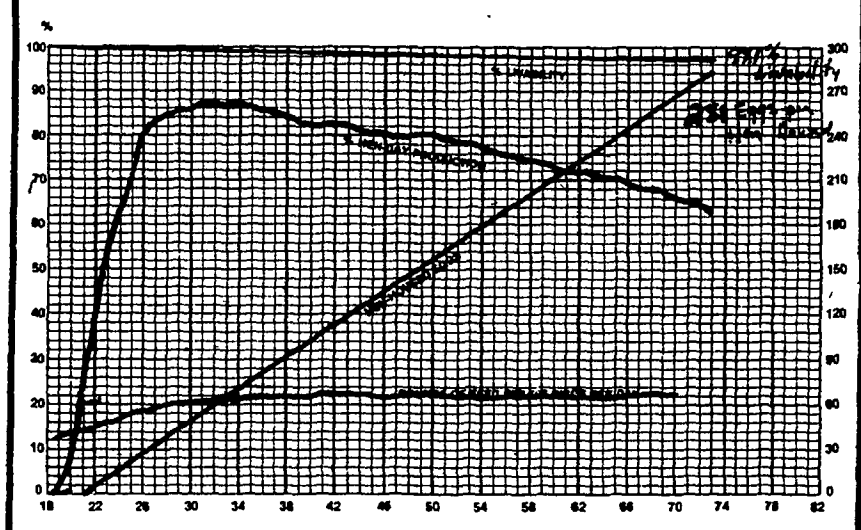

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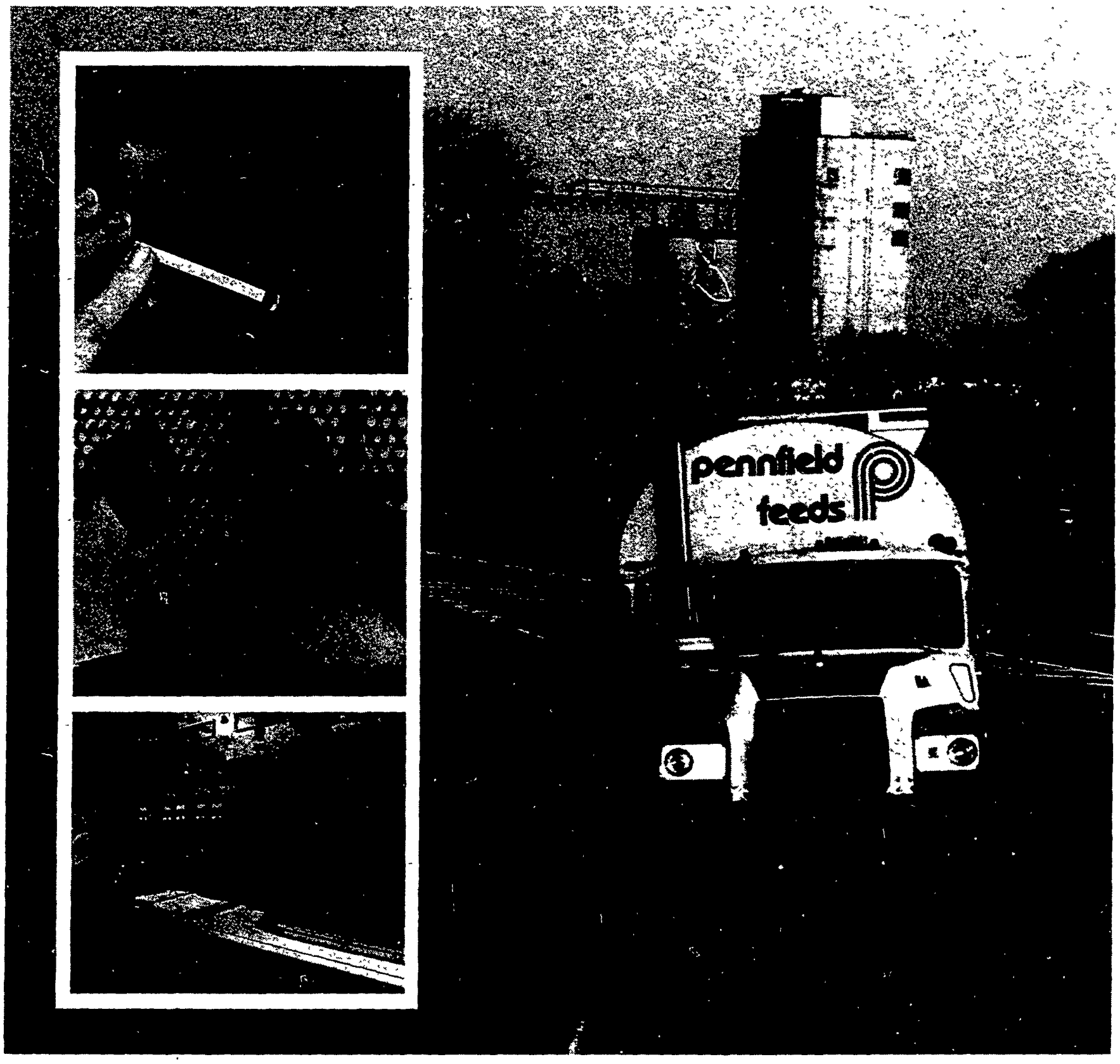

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Livestock market and auction news

Hay Markets

Regional Hay
Friday, Dec. 10
Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay & Straw steady.

Alfalfa 100.00-130.00; Mixed hay 80.00-100.00; Timothy hay 75.00-90.00; Straw 50.00-60.00, few 70.00; Mulch 25.00-40.00.

Green Dragon Hay
Ephrata, Pa.
Friday, Dec. 10
Report supplied by PDA

86 loads hay and 21 loads straw.

Alfalfa 90.00-122.00, few to 135.00; Mixed hay 66.00-113.00, few down to 56.00; Timothy hay, few 81.00-110.00, few down to 61.00; Clover, few 74.00-85.00; Grass, one load 56.00; Straw 65.00-90.00, few down to 56.00; Ear Corn, 7 loads 58.00-80.00, one load 88.00; Corn Fodder, 5 loads 45.00-61.00.

Belleville Hay
Belleville, Pa.
Wednesday, Dec. 8
Report supplied by PDA

23 loads hay and 2 loads straw

Alfalfa 90.00-142.50, mostly 62.50-102.50; Mixed hay 56.00-140.00, mostly 62.50-102.50; Timothy hay, one load at 92.00; Straw 57.00 and 60.00.

Kiester's Hay
Middleburg, Pa.
Wednesday, Dec. 15
Report supplied by auction

18 loads hay.

Timothy 75.00-90.00; Mixed hay 82.00-100.00; Alfalfa 97.00-110.00; Straw 56.00-67.00; Ear Corn 71.00 a ton.

New Holland Hay
New Holland Sales Stables
Monday, Dec. 13
Report supplied by auction

115 loads.

Compared to last week, market about steady on hay and straw.

Alfalfa choice 110.00-119.00, one real fancy 156.00, medium quality 95.00-110.00, some off-color 75.00-95.00; Mixed choice Alfalfa & timothy 110.00-120.00, Clover & Timothy 90.00-110.00, mixed grass 80.00-100.00; Timothy choice few 100.00-114.00, medium quality 75.00-100.00, several mixed grass off-color 65.00-75.00; Clover 71.00-98.00; Straw mostly 80.00-100.00, few to 102.00, several oat straw or dark 70.00-80.00; Fodder 49.00-60.00; Ear Corn 61.00-73.00; one Firewood 58.00.

Good's Hay
Leola, Pa.
Wednesday, Dec. 15
Report supplied by auction

108 loads.

Mixed 65.00-151.00; Clover 80.00-122.00; Straw 66.00-91.00; Timothy 95.00-104.00; Corn 63.00-73.00; Meadow Grass 70.00-93.00; Alfalfa 93.00-162.00; Fodder 40.00-50.00; Oats 1.75 bu.

Leinbach's Hay
Tuesday, Dec. 14
Report supplied by auction

20 loads. Alfalfa 105.00-149.00; Timothy 81.00-89.00; Mixed 75.00-95.00; Straw 52.50-59.00; Firewood 37.00-60.00.

Vintage Hay
Thursday, Dec. 16
Report supplied by auction

Alfalfa 90.00-124.00; Mixed Hay 73.00-86.00; Ear Corn 53.00.

Pa. Grain
Monday, Dec. 13
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn, Barley & Oats steady to 5 cents higher. Wheat mostly steady. New Ear Corn steady to $2 higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.31-2.60, average 2.48, New Crop 2.50-2.62; Wheat No. 2 range 3.10-3.48, average 3.29, New Crop 3.30-3.41; Barley No. 3 range 1.85-2.00, average 1.95, New Crop 1.60; Oats No. 2 range 1.65-1.85, average 1.75; Soybeans No. 1 5.20-5.48, average 5.39; Grain Sorghum No. 2 range 1.95, average 1.95; New Ear Corn range 52.00-65.00, average 59.22.

Central Pa.

Corn No. 2-y range 2.40-2.55, average 2.46; Wheat No. 2 range 2.90-3.35, average 3.06; Barley No. 3 range 1.75-1.85, average 1.81; Oats No. 2 range 1.50-1.60, average 1.52; Soybeans No. 1 5.00-5.30, average 5.15; Grain Sorghum #2 range 2.20-2.45, average 10.00; Buckwheat range 10.00, average 10.00; New Ear Corn range 45.00-55.00, average 49.86.

South Central Pa.

Corn No. 2-y range 2.20-2.45, average 2.34; Wheat No. 2 range 2.85-2.95, few reported 3.40, average 2.99; Barley No. 3 range 1.75-1.80, average 1.78; Oats No. 2 range 1.60-1.80, average 1.66; New Ear Corn range 50.00-65.00, average 56.00.

Southeastern Central & South Central Summary

Corn No. 2-y range 2.30-2.60, average 2.44; Wheat No. 2 range 2.90-3.46, average 3.15; Barley No. 3 range 1.75-2.00, average 1.86; Oats No. 2 range 1.50-1.85, average 1.62; New Ear Corn range 45.00-65.00; average 54.42.

Western Pa.

Corn No. 2-y range 2.30-2.50, average 2.40; Wheat No. 2 range 2.80-3.00, average 2.90; Barley No. 3 range 1.80-1.85, average 1.83; Oats No. 2 range 1.40-1.70, average 1.56; Buckwheat range 9.00, average 9.00; New Ear Corn range 60.00-66.00, average 63.00.

Four States Livestock
Hagerstown, Md.
Wednesday, Dec. 8
Report supplied by auction

SLAUGHTER: Fed Steers- Steady to $1.00 higher. Choice 56.00-58.00; Good 53.00-55.00; Medium 52.00 down. Heifers- Good 42.00-45.00; Medium 41.00 down. Cows- $2.00 under last week. High Yield 40.00-41.75; Average 37.00-39.00; Big Middle 34.00-36.00; Fatty Herf. 32.00-34.00; Shelly 35.00 down. Fat Bulls- $1.00 higher. Good 47.00-50.50; Medium 44.00-46.00. Veal Calves- Heavy Calves higher, Light Calves, lower. Choice 85.00-103.00; Good 75.00-84.00; Medium 60.00-74.00; Farm Bulls to 69.00; Light & Weak 42.00 down. Lambs- $2.00 higher. Choice 48.00-50.00; Good 43.00-47.00; Medium 42.00 down.

STOCKER: Steers 300-550 lbs. $1.00 to 3.00 higher. Choice 56.00-61.00; Good 52.00-55.00; Medium 47.00-51.00; Culls 46.00 down. Steers 600-850 lbs. Choice 54.00-57.00; Good 49.00-53.00; Medium 48.00 down. Heifers (All weights) Choice 48.00-52.00; Good 43.00-47.00; Medium 42.00 down. Bulls- $5.00 higher. Choice 55.00-62.00; Good 47.00-54.00; Medium 46.00 down. Springing Heifers to 810.00. Pigs, hd.- $2.00 higher. 20-30 lbs. 28.00-37.00; 40-60 lbs. 38.00-51.50. Shoats by lb. to 52.50. Slaughter Hogs- Steady to $1.00 higher. 210-230 lbs. 53.75-55.60; 240-260 lbs. 53.00-54.50; 265-280 lbs. 51.00-54.00. Sows- 43.00-46.50. Thin Sows 38.50-42.00.

Morrison Cove Livestock
Martinsburg, Pa.
Monday, Dec. 13
Report supplied by Auction

CATTLE 176: Good slaughter steers 55.50-56.50, Standard 52.25-54.50, Utility 49.50-51.50. Utility & Commercial slaughter cows 40.25-44.25, Commercial 38.50-39.75, Cutters 34.75-37.25, Canner & Low Cutter 31.50-34.25, Shells down to 27.50. Good slaughter bullocks 52.75-54.25, Standard 45.75-51.50, Utility 42.50-44.50. Good feeder heifers 42.50-47.50, Medium 34.50-38.50; Good feeder bulls 47.00-48.50, Medium 43.50-46.75.

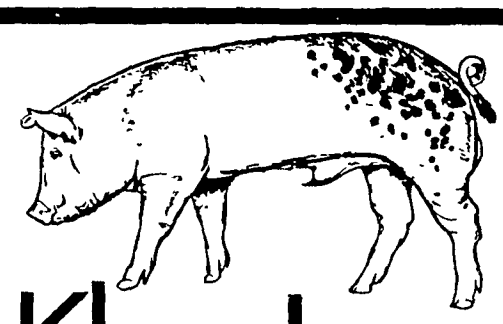
CALVES 321: Good vealers 76.50-78.50, Standard & Good 110-130 lbs. 54.50-60.25, 90-110 lbs. 48.25-52.50, 70-90 lbs. 45.25-48.50. Farm calves, holstein bulls 72.50-80.25; holstein heifers 55.50-72.50.

HOGS 145: US No. 1-2 barrows & gilts 56.50-57.30, No. 1-3 55.60-56.25, No. 2-3 55.25-55.50. US No. 1-3 sows 45.50-50.25. Boars 40.50-50.10.

FEEDER PIGS 29: US No. 1-3 35-40 lbs. feeder pigs 36.50-38.25 per head, No. 1-3 40-60 lbs. 45.50-53.25 per head.

SHEEP 3: One Choice wooled slaughter lamb at 49.10. Couple Slaughter ewes 13.50 and 14.25.

GOATS 12: 18.00-33.00 per head.



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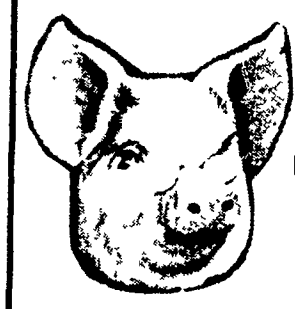

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Division of
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Livestock market and auction news

Central U.S. Carlot

Thursday, Dec. 15
Report supplied by USDA

Compared to Tuesday's 4:00 p.m. report: Steer carcasses mostly steady. Heifers steady to $1.00 lower except Y.G. 4 steady to $1.00 higher on both classes. Demand moderate, trading light to moderate. Offerings light for prompt ship, moderate for two to three days out front. The gross boxed beef carcass cut-out value declined $.32 to an estimated $93.68 per cwt.

Sales reported on 50 loads of steer and heifer carcasses.

STEER BEEF
21 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 90.00, steady.
Choice 4 600-900 lbs. 81.00-82.00.
Good 2-3 600-900 lbs. 85.00-89.00, gen. steady.

HEIFER BEEF
29 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 88.00-89.00, steady 1.00 lower.
Choice 3 500-550 lbs. 88.00.
Choice 3 400-500 lbs. 87.00.
Choice 4 500-700 lbs. 81.00-82.00, steady-1.00 higher.
Good 2-3 550-700 lbs. 84.00-85.00, steady.

PRIMAL BEEF CUTS
9 Loads
FOB Omaha Basis
Choice 3
Hinds (H) 120-170 lbs. 98.00.
Arm Chucks 75-120 lbs. 80.00-81.00.
Good & Choice 2-3
Short Plates 49.00.

BONELESS PROCESSING/ BEEF TRIMMINGS
43 Loads
FOB Omaha Basis

90% Chem Lean Fresh 99.00-100.00.
50% Chem Lean Fresh 43.00-45.00, late 45.00.
FOB Amarillo Basis
90% Chem Lean Fresh 102.00-102.50.
90% Chem Lean Frozen 104.50.
85% Chem Lean Fresh 97.00.
85% Chem Lean Frozen 98.00.

Compared to Tuesday's 4:00 report: Fresh pork loins steady to $3.00 higher. Picnics 4-8 lbs. steady to $1.50 higher, 8&up lbs. steady to weak. Hams $1.00 to $2.00 lower with 20-26 lb. weights $1.00 higher late. Bellies steady to $1.00 higher. Trading active on light to moderate offerings. Retail demand good for loins. Good demand from smoker/processors for picnics. Good processor interest in 20-26 lb. hams and present price level.

Sales reported on 59½ loads and 7 loads of trimmings.

FRESH PORK CUTS

LOINS: Regular - 14/dn lbs. 102.00-106.00, mostly 104.00-106.00, steady-2.00 higher; 14-17 lbs. 105.50-110.00, mostly 107.00-110.00 nest week ship; 17-22 lbs. 97.25-100.00, steady 3.00 higher; 22/up lbs. 87.50, steady.

PICNICS: 4-8 lbs. 58.00-61.00, steady-1.50 higher; 8&up lbs. 54.00-55.50, steady-weak.

HAMS (Skinned): 14-17 lbs. 104.00 frozen; 17-20 lbs. 96.50-97.50, 1.00-2.00 lower; 20-26 lbs. 82.00-86.00, late 85.00 1.00 higher; 26&up lbs. 72.50, 2.00 lower.

BELLIES: Sdls: 12-14 lbs. 75.00; 14-16 lbs. 75.50-76.00, steady; 16-18 lbs. 72.00-72.50, .50 higher; 18-20 lbs. 68.00, 1.00 higher; 20-25 lbs. 60.50, steady; 20-25 lbs. 62.50 frozen/T.I.S. Bnls Ct Butt: 1.5-3 lbs. 114.00 frozen.

BONELESS PROCESSING/ PORK TRIMMINGS
(Chemical Lean)

42% trimmings fresh 42.50.
72% trimmings frozen 82.00.
72% bnls pic fresh 84.00, 1.50 higher.
88% blade meat frozen 102.50-103.00.

Lebanon Valley Livestock

Fredericksburg, Pa.
Tuesday, Dec. 14
Report supplied by PDA

CATTLE 165: Compared with last Tuesday's market, slaughter cows mostly steady to 1.00 lower. One High Choice 1365 lbs. slaughter steer at 59.50, few Choice No. 2-4 1065-1295 lbs. 57.00-59.25, few Good 55.00-57.75, one Standard at 49.75, few Good & Choice holsteins 48.25-53.00. Few Choice slaughter heifers 52.75-58.35, one High Choice 1255 lbs. at 58.85, two Standard 50.50 and 51.75, two Utility 43.85 and 45.00. Utility & Commercial slaughter cows 37.25-38.50, few 39.85, one at 40.85, Cutters 34.00-37.85, Canner & Low Cutter 30.25-33.85, few Shells down to 25.00. One Choice slaughter bullock at 53.25, one Good at 51.25, one Standard at 51.00, two Utility 39.00 and 41.75. Two Yield Grade #1 1605 and 1985 lbs. slaughter bulls 49.00 and 52.75.

CALVES 210: Vealers grading Standard & Good mostly steady. Few Choice vealers 77.00-81.00, few Good 70.00-79.00, Standard & Good 90-120 lbs. 49.00-54.00, 65-90 lbs. 41.00-49.00, few Utility 55-85 lbs. 30.00-38.00. Farm calves, holstein bulls 80-125 lbs. 57.00-92.00, mostly 75.00-89.00; few holstein heifers 90-120 lbs. 68.00-79.00; few beef cross bulls & heifers 70-100 lbs. 50.00-54.00.

HOGS 131: Barrows & gilts 3.00-4.00 higher on a small supply. US No. 1-2 215-255 lbs. barrows & gilts 57.25-57.60, lot No. 1-3 226 lbs. at 57.25, No. 2-3 205-275 lbs. 54.25-56.50. US No. 1-3 295-510 lbs. sows 45.25-47.25, few No. 2-3 405-660 lbs. 43.00-45.50. Few Boars 43.00-43.25.

FEEDER PIGS 30: US No. 1-3 20-30 lbs. feeder pigs 74.00-84.00 cwt.

SHEEP 10: Choice 95-125 lbs. wooled slaughter lambs 35.00-49.00, one Choice 50 lbs. new crop lamb at 50.00. One Slaughter ram at 10.00.

New Wilmington Livestock

New Wilmington, Pa.
Monday, Dec. 13
Report supplied by PDA

CATTLE 245: Compared with last Monday's market, slaughter cows steady to weak. Few Choice slaughter steers 57.00-57.50, couple Good 51.50 and 52.50, Standard 42.00-50.00. One Good slaughter heifer at 47.75, Standard 40.00-45.25. Utility & Commercial slaughter cows 36.00-39.75, one at 41.25, Cutters 33.00-36.75, Canner & Low Cutter 25.00-33.50, Shells down to 19.00. Yield grade #1 1095-1625 lbs. 44.00-48.50; few yield grade #2 1050-1380 lbs. 38.00-40.00 Medium & Large Frame #1 310-490 lbs. feeder steers 48.00-54.00, 500-715 lbs. 44.50-52.00; Medium & Large Frame #1 340-630 lbs. feeder heifers 40.00-46.00, few 700-800 lbs. 37.75-41.50; few Medium & Large Frame #1 640-1000 lbs. feeder bulls 38.00-43.50.

CALVES 250: Vealers grading Good & Choice strong to 2.00 higher, Standard mostly 5.00 lower. Few Choice vealers 90.00-100.00, few Good 80.00-87.00, Standard & Good 90-120 lbs. 40.00-50.00, 65-85 lbs. 27.50-40.00, Utility 45-75 lbs. 13.00-24.00. Farm calves, holstein bulls 95-130 lbs. 50.00-70.00.

HOGS 417: Barrows & gilts .75-1.00 higher. US No. 1-2 200-245 lbs. barrows & gilts 55.50-56.85, No. 1-3 200-260 lbs. 54.35-55.75, No. 2-3 265-310 lbs. 48.00-52.25. Sows 5.00 lower. US No. 1-3 280-605 lbs. sows 42.00-50.00. Boars 41.50-43.00.

FEEDER PIGS 38: US No. 1-3 30-40 lbs. feeder pigs 29.00-32.00 per head, No. 1-3 50-65 lbs. 39.00-53.00 per head.

SHEEP 191: Choice 70-110 lbs. wooled slaughter lambs 45.00-54.00, Good 60-110 lbs. 42.00-50.00, few Utility 50-70 lbs. 35.00-38.00. Slaughter ewes 10.00-24.00.

Carlisle Auction

Carlisle, Pa.
Tuesday, Dec. 14
Report supplied by auction

CATTLE: Steers were steady; Heifers were steady to 2.00 lower; Cows were steady to .50 higher; Bulls were steady to 1.00 lower. Steers: No Choice offered; Good 54.25-55.75; Standard 52.25-53.00; Utility 49.50 Down. Heifers: No Choice offered; Standard to low Good 47.10-50.00; Utility 42.00 Down. Cows: Utility & Commercial 37.60-40.00; Cutter 35.60-38.00; Canner & Low Cutter 32.00-35.50; Shells 30.60 Down. Bulls: No Yield Grad No. 1's offered; Yield Grade No. 2 to 48.00.

FEEDER CATTLE: Steers were 2.00 lower; Heifers were steady; Bulls were steady with last week's prices. Steers: Good 350-452 lbs. 50.00-53.50; Medium 355-425 lbs. 39.00-42.50; Medium 510-525 lbs. 43.00-45.00; Good 700-725 lbs. 50.00-53.25; Medium 660-770 lbs. 37.50-42.50. Heifers: Good 205-220 lbs 50.00-53.00; Medium 410-495 lbs. 39.00-47.00; Medium 500-545 lbs. 32.00-38.00. Bulls: Medium 360-480 lbs. 45.00-52.50; Medium 530-575 lbs. 36.50-50.00.

CALVES: Vealers were 7.00 lower; Back to the Farm Calves were 6.00 higher for Hol. Bulls. Vealers: Choice 84.00-93.00; Good 70.00-82.50; Standard and Good 60.00-70.00; Standard 50.00-60.00; Light and Week 50.00 Down. Farm Calves: Hol. Bulls 72.00-84.00.

HOGS: Strong demand $2.75 higher; US No. 1-2, 56.35-57.75; US No. 13, 50.50-56.25; US No. 2-3 50.00 Down. Sows: 3.00 lower; US No. 1-3, 46.00-50.50; No. 2-3, 40.00-44.00. Boars: 5.00 lower, 38.50-41.00.

FEEDER PIGS: US No. 1-3 22-35 lbs. 29.00-36.00 Hd. No. 1-3 35-50 lbs., 41.00-50.00 Hd.

SHEEP: Lambs: Choice 68.00-74.00; Good 50.00-54.00; Utility 44.00-47.50. Goats: 24.00-40.00 Hd.

New Holland Dairy

New Holland Sales Stables
Wednesday, Dec. 15
Report supplied by auction

Reported receipts of 88 cows, 44 heifers, and 10 bulls. Market stronger.

Load of Pa. cows 825.00-1525.00; Load of Pa. cows 800.00-1140.00; Load of Pa. cows 888.00-1135.00; Load of Pa. cows 780.00-1100.00, springers 700.00-900.00; Load of Susquehanna Co. cows 860.00-1275.00; Load of N.Y. cows 975.00-1440.00.

Locally consigned cows 410.00-1110.00; Springing heifers 700.00-1120.00; Bulls 380.00-710.00.

For quotations of next week's prices
Call Collect 215-488-7617
After 2:00 P.M. Wednesday

Starting December 18
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CLOSED WEDNESDAYS

Livestock market and auction news

THE OLD FARMER'S ALMANAC

DEC. 20-26, 1982

Merry Christmas!

Winter begins Dec. 21 (Tues.) at 11:39 p.m. . By the sun, Christmas (Sat.) is the shortest day of the year... First quarter of the moon Dec. 23 (Thurs.) . Average length of days for the week, 9 hours, 5 minutes

First built-in bathtub, Cincinnati, Ohio, Dec 20, 1842 . *A bachelor gets tangled up with a lot of women in order to avoid getting tied up to one.*

Ask the Old Farmer: A friend of mine has two "eye stones" that she remembers as being used to put in the eye to force out any seeds. They are flat on the bottom and rounded on top. Can you give me any information at all about them? L T., Deep River, Wash

Yes, my mother used to put a flax seed in my eye when I got a speck of sand or something in it. I would go to bed and the next morning the seed and whatever had been in my eye was out. The motion of the eye during sleep is what worked the seed around and out

Home Hints: Every once in a while loosen the soil of houseplants with an old table fork

OLD FARMER'S WEATHER FORECAST

New England: Week begins with sleet, mild temperatures, followed by rain changing to snow

Greater New York-New Jersey: Through midweek, clearing and mild, week ends with cold temperatures, rain, and snow

Middle Atlantic Coastal: Clear and mild to start, then cloudy and cold, with rain south

Piedmont & Southeast Coastal: Clearing and unseasonably mild, first part of week, heavy rain west and south, colder, at week's end

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Belleville Livestock

Belleville, Pa.
Wednesday, Dec. 8
Report supplied by PDA

CATTLE 146: Compared with last Wednesday's market, slaughter cows 1.25-2.75 lower. One Good slaughter steer at 55.50, few Standard 44.50-51.35. One Good slaughter heifer at 48.50. Utility & Commercial slaughter cows 34.85-37.60, few to 39.35, Cutters 33.75-35.25, Canner & Low Cutter 31.00-33.75, Shells down to 26.25. Few Yield grade #1 1145-1790 lbs. slaughter bulls 46.60-48.85. Few Medium Frame #1 300-400 lbs. feeder heifers 43.75-44.50.

CALVES 188: Few Good & Choice vealers 65.00-86.00, Standard & Good 70-100 lbs. 40.00-48.50, few Utility 50-80 lbs. 30.00-40.00. Farm calves, holstein bulls 90-120 lbs. 51.00-70.00, few to 75.00.

HOGS 149: Barrows & gilts .50-1.50 higher. US No. 1-2 200-245 lbs. barrows & gilts 54.85-56.85, No. 1-3 195-235 lbs. 53.25-54.25. Few US No. 1-3 400-600 lbs. sows 46.00-50.00, few Medium 185-400 lbs. 40.50-45.00. Few Boars 38.50-42.00.

FEEDER PIGS 152: US No. 1-3 35-45 lbs. feeder pigs 39.00-48.00 per head, No. 1-3 45-55 lbs. 46.00-55.00 per head.

SHEEP 16: Few Good 50-80 lbs. wooled slaughter lambs 38.00-44.00. Few Slaughter 8.00-14.50.

GOATS 18: Kids 5.50-8.00 per head.

Holstein Dairy Cows $600-$1090, couple to $1290 per head.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Dec. 14
Report supplied by auction

Beef Cows: Utility and Commercial 35.40-37.85; Cutters 32.50-34.90; Canners 30.25-32.00.

Heifers: Good 47.50-51.25, Standard 41.20-46.10; Commerical 33.00-40.00.

Steers: Good 45.00-47.25; Standard 40.25-43.50.

Bulls: Standard 40.50-44.00.

Feeder Cattle: 300-500 lbs. large frame 42.00-49.00; 300-500 lbs. small frame 36.50-41.70; 500-700 lbs. large frame 38.25-45.50; 500-700 lbs. small frame 34.50-40.50.

Veal Calves: Choice 78.25-85.00; Good 65.50-77.75; Standard 57.75-64.25; Utility 37.50-49.00.

Farm Calves: Bulls 75.00-87.00; Heifers 72.00-80.00.

Hogs: 54.50-57.25.

Sows: 42.00-43.25.

Boars: 36.00-45.00.

Shoats: 25-30 lbs. per head 14.00-19.00; 30-35 lbs. per head 22.00-32.00; 35-50 lbs. per head 30.00-36.00.

Eighty-Four Livestock

Eighty-four Pa.
Monday, Dec. 13
Report supplied by PDA

CATTLE 410: Compared with last Monday's market, slaughter cows .50-1.00 lower. Choice slaughter steers 55.50-61.50, Good 52.00-56.00, Standard 44.00-51.00, Utility 38.50-44.00. Few Choice slaughter heifers 55.00-57.50, few Good 49.00-53.00, Standard 42.00-46.00, Utility 36.00-40.00. Utility & Commercial slaughter cows 36.00-38.00, Commercial No. [illegible] 38.00, Cutters 33.50-36.25, Canner & Low Cutter 28.00-34.00, Shells down to 18.00. Yield grade #1 1000-1900 lbs. slaughter bulls 45.00-50.25; yield grade #2 900-1500 lbs. 38.00-43.00. Medium Frame #2 400-500 lbs. feeder steers 50.00-54.00; Large & Medium Frame #1 350-600 lbs. feeder heifers 45.00-49.00; Medium frame #1 300-550 lbs. feeder bulls 49.00-53.00.

CALVES 260: Vealers grading Good & Choice steady to strong, Standard & Good mostly steady. Choice vealers 86.00-99.00, Good 69.00-87.00, Standard & Good 90-120 lbs. 43.00-54.00, 60-85 lbs. 38.00-44.00, few Utility 55-90 lbs. 18.00-31.00. Farm calves, holstein bulls 90-120 lbs. 59.00-71.00.

HOGS 121: Barrows & gilts fully .50 higher. US No. 1-2 200-250 lbs. barrows & gilts 55.00-56.25, No. 1-3 210-235 lbs. 54.00-55.10, No. 1-3 170-185 lbs. 50.50-53.00. Few US No. 1-3 400-500 lbs. sows 46.00-48.00, No. 2-3 350-700 lbs. 41.50-45.00. Boars 40.00-42.00.

FEEDER PIGS 36: US No. 1-3 20-30 lbs. feeder pigs 18.00-24.00 per head, No. 1-3 55-70 lbs. 38.50-48.00 per head.

SHEEP 150: [illegible] lambs 1.50-2.00 higher. Choice 70-85 lbs. wooled slaughter lambs 55.00-57.25, mixed Good & Choice 70-115 lbs. 54.00-55.50, few Utility 53-65 lbs. 42.00-46.00, Good & Choice 50-60 lbs. feeder lambs 47.00-53.00. Slaughter sheep 12.00-23.00.

GOATS 6: 12.00-24.00 per head.

Leesport Auction

Leesport, Pa.
Wednesday, Dec. 8
Report supplied by Auction

CATTLE 295: Compared with last Wednesday's market - All cattle 1.50-3.00 lower. High Choice & Prime 1100-1350 lbs. slaughter steers 59.50-61.00, Choice 57.00-58.00, Good 54.00-57.00, Standard 48.00-51.00, Utility 40.00-48.00. Choice 875-1100 lbs. slaughter heifers 54.00-58.00, Good 52.00-55.00, Standard 47.00-50.00, Utility 40.00-45.00. Utility & Commercial slaughter cows 38.00-41.00, Cutters 34.00-36.50, Canner & Low Cutter 33.00-35.00, Shells down to 25.00. Yield Grade #1 slaughter bulls 52.00-56.00, few to 58.00; yield grade #2 47.00-51.00. Medium & Large Frame #1 300-700 lbs. feeder steers 45.00-52.50; Medium Frame #1 [illegible] feeder heifers [illegible] 51.00; [illegible] lbs. feeder bulls [illegible]

CALVES 174: Choice vealers 78.00-105.00, Good 65.00-75.00, few Standard & Good 110-130 lbs. 50.00-60.00, 80-120 lbs. 56.00-62.00, Utility 30.00-50.00. Farm calves, holstein bulls 100-120 lbs. 70.00-85.00; holstein heifers 60.00-70.00.

HOGS 376: Barrows & gilts 2.00-3.00 lower. US No. 1-2 200-245 lbs. barrows & gilts 52.50-53.85, No. 1-3 200-260 lbs. 51.00-52.50, No. 2-3 250-300 lbs. 50.00-51.00. US No. 1-3 350-500 lbs. sows 47.00-50.50, No. 2-3 400-600 lbs. 38.00-45.00. Boars 38.00-45.00.

FEEDER PIGS 171: US No. 1-3 25-35 lbs. feeder pigs 120.00-135.00 cwt., No. 1-3 35-40 lbs. 100.00-140.00, No. 1-3 50-70 lbs. 90.00-110.00, Utility 65.00-95.00 cwt.

SHEEP 61: Choice 40-55 lbs. new crop lambs 85.00-150.00; Choice 80-110 lbs. wooled slaughter lambs 50.00-60.00, Good 85-110 lbs. 40.00-50.00. Slaughter ewes 14.00-25.00.

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AVLON AMITY, 2nd calf due 12/20/82 to Lisa Luminous-Twin, 2-1, 305, 12,641, 507, 4.0.
UK SENSATION, 2nd calf due 12/25/82 to Monitor Dino, 2-1, 358, 13,915, 513, 3.7.
ARLINDA ADVANCER, 2nd calf due 12/24/82.
LUCKY OAK RIDGES TED, 3rd calf due 12/27/82 to Strephon.
LAWCREST MARVEX, 1st calf due Feb. Dam 87 pt. Apollo Topper.
DONEGAL CREEK SUNDANCE, 1st calf due March. Dam 87 pt. Carlo 3-2, 305, 19,327, 747, 3.4. 2nd Dam 86 pt. Vigo Criterion.
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AN IMPORTANT NOTICE TO ALL CONSIGNORS OF LAMBS —
With Christmas December 25th we recommend that your lambs for the Christmas trade be consigned on Monday, December 20th. All lambs will be sold at auction beginning at noon and will be sorted and weighed upon arrival.
Keep in mind this Monday for consigning your lambs December 20th, and your consignments are respectfully solicited. Sorting and weighing will begin at 5 A.M.
For further information contact Ken Smoker area 215-593-2123 (residence) or area 717-397-5136 (office).
Walter M. Dunlap and Sons
Lancaster Stockyards

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Ken & Lois Emery, Proprietors

Va. market summary & sale reports

Virginia Auction Summary

Dec. 9-15
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 5,057.

TREND: Steady to $1 and occasionally $2 lower.

Southwest, Va.
Auction Summary
Dec. 9-15

STEERS: 300-500 lbs. Medium 1 55.00-66.00; Large 1 57.00-67.00; Small 1 45.00-57.00. 500-700 lbs. Medium 1 54.00-63.50; Large 1 56.00-64.25; Small 1 45.00-54.75. 700-1000 lbs. Medium 1 50.00-58.25; Large 1 57.50; Small 1 50.00-51.00.

HEIFERS: 300-500 lbs. Medium 1 41.00-50.00; Large 1 43.00-49.00; Small 1 38.00-44.50. 500-700 lbs. Medium 1 41.00-48.50; Large 1 42.00-51.00; Small 37.00-46.50. 700-900 lbs. Medium 1 40.00-45.00; Large 1 45.00-47.50; Small 1 37.00-39.00.

Northern Va.
Auction Summary
Dec. 9-15

STEERS: 300-500 lbs. Medium 1 51.00-62.75; Large 1 47.50-51.00; Small 1 46.00-58.00. 500-700 lbs. Medium 1 51.00-62.25; Large 54.00-61.75; Small 1 46.50-58.00. 700-1000 lbs. Medium 1 52.50-59.40; Large 1 54.00-58.75; Small 1 45.50-47.00.

HEIFERS: 300-500 lbs. Medium 1 40.00-48.00; Large 1 43.00-50.00; Small 1 38.00-47.00. 500-700 lbs. Medium 1 40.00-50.25; Large 1 41.00-45.00; Small 1 40.00-45.50. 700-900 lbs. Medium 1 40.00-49.75; Large 1 42.00-47.00.

Southeast Va.
Auction Summary
Dec. 9-15

STEERS: 300-500 lbs. Medium 1 52.50-55.00.

HEIFERS: 300-500 lbs. Medium 1 41.00-43.50; Small 1 40.00-42.00. 500-700 lbs. Medium 1 45.00; Large 1 45.00-47.00.

East Coast Carlot

Wednesday, Dec. 15
Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal not established early, wait-and-see attitude prevails after moderate movement at higher levels Tuesday. Limited sales Good and Choice boning veal steady; no inshipped veal reported. Lamb fully steady on all weights. Boneless beef lightly tested, 90% chem lean 1.00 to 1.50 lower than last week. 85% chem lean 1.00 to 2.00 higher.

VEAL CARCASS
Prime (Special Fed)
Hide On
180-240 lbs. No sales reported
Good & Choice
Boning Type
Hide On

Northeastern Suppliers: All steady. 65-75 lbs. 78.00 LTD; 55-64 lbs. 76.00 LTD; 45-54 lbs. 74.00 LTD; 35-44 lbs. 72.00 LTD; 34 lbs. down 70.00 LTD.

Inshipped: No sales reported.

LAMB CARCASS
Choice & Prime 3-4
8 Load

All steady.

55 lb. down 115.00-116.00; 55-65 lbs. 108.00, few 107.00; 65-75 lbs. 103.00, few 102.00.

BONELESS BEEF
2 Loads

90 pct chem lean, fresh 108.00, 1.00-1.50 lower.

85 pct chem lean, fresh 104.00, 1.00-2.50 higher.

CURED AND PROCESSED MEATS
3 Load

Semi-Boneless Hams, 14-17 lbs. 135.00, weak.

No. 1 Sliced Bacon Vacuum Pack, 1 lb. pkg. 135.00, steady.

Franks, 70 Beef, 30 Pork, 1 lb. pkg. 92.00, steady.

Dewart Livestock

Dewart, Pa.
Monday, Dec. 13
Report supplied by PDA

CATTLE 156: Compared with last Monday's market, slaughter cows .25-1.00 lower. Few Low Choice 960-1100 lbs. No. 2-4 55.50-57.50, Good 52.25-55.50, few Standard 44.25-51.25. Few Choice slaughter heifers 54.00-56.75, few Standard 45.00-46.75. Utility & Commercial slaughter cows 35.75-39.50, couple 41.25, Cutters 34.85-37.85, Canner & Low Cutter 31.50-34.85, Shells down to 20.00. Few Good slaughter bullocks 50.25-54.75. Yield Grade #1 1150-1960 lbs. slaughter bulls 46.00-53.50.

CALVES 200: One Prime vealer at 94.50, few Choice 87.00-88.00, Good 63.00-78.00, Standard & Good 110-120 lbs. 55.00-60.00, 70-100 lbs. 44.00-54.00, few Utility 50-80 lbs. 40.00-45.00. Farm calves, holstein bulls 90-120 lbs. 50.00-75.00, mostly 58.00-70.00.

HOGS 231: Barrows & gilts .25-.50 higher. US No. 1-2 210-235 lbs. barrows & gilts 56.70-57.20, No. 1-3 215-255 lbs. 53.80-55.70, No. 2-3 240-275 lbs. 51.75-53.50, one lot No. 2-3 330 lbs. 47.75. US No. 1-3 300-650 lbs. sows 45.00-48.00. Boars 39.00-42.00.

FEEDER PIGS 142: US No. 1-3 10-15 lbs. feeder pigs 18.00-27.50 per head, No. 1-3 30-40 lbs. 33.50-43.50 per head.

SHEEP 47: Choice 80-110 lbs. wooled slaughter lambs 47.00-54.50, Good 60-95 lbs. 35.00-45.00.

G&M Livestock

Monday, Dec. 13
Duncansville, Pa.
Report supplied by auction

Compared to last week: Steers weak, Cows lower, Hogs higher.

STEERS: High Choice and Prime none offered; Good to Choice 54.00-58.00; Good 50.00-54.00; Standard 46.00-50.00; Utility 44.00-46.00.

HEIFERS: High Choice and Prime 54.00-56.00; Good to Choice 48.00-54.50; Standard 44.00-48.00; Utility 36.00-44.00.

FEEDER STEERS: Good to Choice 300-600 lbs. 48.00-58.00. Feeder Heifers 300-600 lbs. 38.00-48.00.

BULLS: 1100-1850 lbs. 48.00-55.00; 900-1100 lbs. 45.00-52.00.

COWS: High Choice to Prime 40.00-42.00; Good 37.00-40.00; Utility 35.00-37.00; Cutters 32.00-35.00; Canners Down to 28.00.

CALVES: High Choice none offered; Good to Choice 70.00-85.00; Standard to Good 50.00-70.00. Utilty Down 30.00. Farm Calves Hol. Bulls 90-120 lbs. 65.00-81.00. Farm Calves Hol. Heifers 90-120 lbs. 55.00-70.00.

FEEDER PIGS: 25-35 lbs. 25.00-35.00; 35-50 lbs. 35.00.

HOGS: 200-240 lbs. 55.00-58.35; 170-300 lbs. 45.00-56.00..

SOWS: 45.00-52.00.

BOARS: 42.00-46.50.

LAMBS: 90-110 lb. 48.00-54.00.

SHEEP: 8.50-22.00.

GOATS: 25.00-36.00.

New Holland Horse

New Holland Sales Stables
Monday, Dec. 12
Report supplied by auction

Reported receipts of 232 head of horses, mules, and ponies. Market: steady.

Local Better horses 425.00-1300.00; Driving horses 350.00-1300.00; Riding horses 300.00-400.00; Lightweight killers 253.00-375.00; Heavyweight killers 400.00-450.00; Mare Ponies 35.00-65.00; Colts 15.00-30.00; Geldings 35.00-65.00; Larger ponies 100.00-150.00.

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VINTAGE SALES STABLES, INC.
10 miles East of Lancaster
Paradise, PA
HAY, STRAW & GRAIN AUCTION
Every Thursday at 1:00 P.M.
Business Phone
717-768-8204
Home Phone
215-458-8518

FRIDAY, DECEMBER 24
ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly at 1:00
Every 4 Weeks

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road. Watch for sale arrows.

50 to 60 Head
Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.

Validated Brucellosis Free Herd #169
Qualified Pseudorabies Free Herd #55

Hand Mated
36 Head Due Between Dec. 28 and Jan. 4
20 Head Due Between Jan. 4 and Jan. 18.

Local Trucker Available.
No Hogs Sold On Commission.
CHRIST A. BEILER
R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer
NEXT SALE DATE JANUARY 21

General Hauling
Serving Lancaster, York & Chester Counties up to 100 mile radius
Shelled & Ear Corn
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Lumber or Wood
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Whatever it is call
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day or night

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1 Mile North of Ephrata, PA
COWS COWS COWS
BUYERS FROM 3 STATES
Regular consignments from Bob Kennedy & Ed Stover plus 15 other local consignors.

Lots of good Northern Feeders and Stockers.
SALE EVERY FRIDAY
Bulls, Steers, Slaughter Cows, Lambs and Veal Calves
11:00 A.M.- Beef Sale Stockers & Feeders 200 to 250 each week.
12:30 P.M.- Dairy Cows
7:00 P.M.- Small Animal Sale
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THE SOONER YOU SEE US, THE MORE YOU CAN SAVE.

Right now we're offering the biggest savings you'll be able to get for the rest of the winter season. And this includes savings on both BROCK grain bins and BROCK wet holding bins (hopper bins). There's nothing like having enough grain storage — so you can exercise some control over your grain marketing. And, there's no time like right now to get the best deal of the year.

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WE'RE WORTH YOUR TIME

Off the Sounding Board

By Sheila Miller, Editor

Payment-in-kind pluses

"What do you think of the new grain program proposal?" is a question I've heard asked over and over again during the past week The announcement from the U.S. Department of Agriculture to try to do something sensible for a change has created quite a surprised stir among farmers.

And although details of the proposed program will remain sketchy until the Commodity Credit Corporation and the Agricultural Stablization and Conservation Service get through studying it, from what we've gathered, this bureaucratic effort might actually do what it seems designed to accomplish — help farmers.

Dubbed the "payments-in-kind" proposal, this grain program will be dipping into grain reserve bins across the country and the government-stored grains will be touched by John Block's magic wand and transformed into "currency" without any Federal Reserve hocus-pocus.

Actually more akin to the old trading system called barter, USDA's payment-in-kind program will allow farmers to exchange grain in the bin for grain in the field without even planting a seed. This type of grain program is sure to bring a smile to Office of Management and Budget's David Stockman. Since farmers won't be milking the federal treasury, a bartering grain program would have a positive effect of the federal deficit.

As part of an effort to reduce the acreage planted in grain by farmers throughout the U.S., the payment-in-kind program would permit farmers to pull wheat, feed grains, rice and upland cotton out of storage in exchange for their word not to plant as much grain in 1983. They'll have to agree to reduce their acreage by 10 to 30 percent and must sign up for the 20 percent acreage reduction program already established for 1983 in order to be eligible for Block's "bin-barter" program. So we're looking at each farmer planting anywhere from 30 to 100 percent less grain acres in 1983 which brings back memories to some of the old soil bank program of the 1960s.

Giving the grain back to the farmers might seem to some a fool-hardy thing to do, since the government has already paid them to put it into storage. But, in the long run, letting the farmers feed this surplus grain to their livestock, or even selling it on the market for cash, will save the federal government thousands of dollars next year.

USDA economists have predicted a 3.33 billion bushel corn carryover for next October, which will force 1983 grain prices into an even deeper slump on the economists' charts than what was plotted in 1982. Without any program to reduce next year's crop and carryover, farmers will be reaping their "golden harvest" income by way of increased deficiency payments instead of a profitable market as prices continue tailspinning.

The problem we see with the payment-in-kind plan, though, is the potential disaster it could be creating if the idea bombs. Grain prices wouldn't survive the impact if farmers who take the corn out of storage try to move it on the open market too soon, and in too great a number. The thunder from this kind of grain bin explosion would be felt across the nation, from Chicago to Washington, as grain prices and programs would come tumbling down.

Most of the farm organizations seem to like it. As Keith Eckel, president of the Pennsylvania Farmers' Association, said: "We think the payments-in-kind program will give farmers a much needed incentive to cut back on their grain production so we can once again produce for the market place, not government storage."

But as Pennsylvania Farmers' Union's Carl Kaufman points out, it could also be an administrative nightmare.

"If farmers in Pennsylvania accept grain instead of cash, once they get the warehouse slip for that grain out in Kansas, they'll own it immediately. Then they'll either have to pay to store it, pay to haul it to Pennsylvania, or sell it at a depressed price. There are no warehouses in Pennsylvania," Kaufman says.

We share Kaufman's concern, too, about the impact this type of grain program might have on other agribusinesses if too many farmers retire major cropland acreages and opt for the already harvested grain. Fallow land could mean idle sales for local seed, fertilizer, and machinery dealers.

All in all, though, we feel the payment-in-kind program, if used wisely, certainly has more pluses for farmers than minuses on USDA's scorecard in their attempt to do something for farmers before they're buried under a mountain of grain.

OUR READERS WRITE

Puzzling Reagan policies

Many puzzling and paradoxical inconsistencies are evident in the current United States government.

On the one hand President Reagan travels to South America and impulsively gives Brazil $1.2 billion to stave off bankruptcy, while on the other hand he takes the American dairymen by their throats and wrings $2 billion from them in an unjust levy against their milk checks. What about the young farmers that will find no recourse except to declare bankruptcy; or, have our government leaders turned so callous and unfeeling for our own (people) that they just don't care?

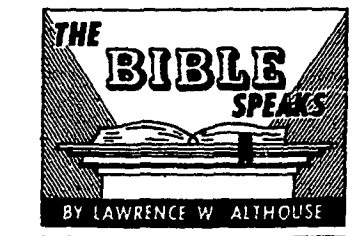
Recently I, contacted the office of congressional Representative Gus Yatron in Reading and was informed that he had voted against this measure in Congress and has remained opposed to the levy on America's dairymen.

Thereafter a call was placed to President Reagan at the White House. Although he didn't answer the telephone (he was resting from his South American jaunt), the secretary to whom I spoke exclaimed—"You sound exactly like my husband!"—to which I replied, "Then I must be expressing the mood of America today, but why

(Turn to Page A12)

OTIS

OTIS, I CAN'T FIND A THING IN THE PAPER ON THAT PRO-FARM BILL
CAFE
NEWS
I'VE CHECKED THE FARM PAGE AND THE POLITICAL PAGE
NEWS
MOST LIKELY IT'S IN THE OBITUARIES!
NEWS
DAVE CARPENTER



BEYOND UNDERSTANDING
December 19, 1982

Background Scripture: Luke 2.
Devotional Reading: Proverbs 23:15-25.

Being the parents of the child who was someday to be God's Messiah was not the "snap" we might have expected it to be. First, Mary had to overcome her own natural doubts about Gabriel's message from God. Secondly, Joseph had to adjust to a situation which was mystifying, not to mention socially embarrassing as well.

Furthermore, having been promised this wonderful child sent from God, they must have wondered why such a great honor should be bestowed in the most humble and unprepossessing surroundings. If this was God's "favor," as Gabriel had told them, then what must his "disfavor" be like?

MINE EYES HAVE SEEN

No less troubling must have been the experience with Simeon in Jerusalem. Simeon proclaimed their infant child the "salvation" of God: "a light for revelation to the Gentiles and for glory to thy people Israel." That was a wonderful prophecy but the following words were as troubling as the first had been wonderful: "Behold, this child is set for the fall and the rising of many in Israel and for a sign that is spoken against (and a sword will pierce through your own soul also)..." It must have seemed impossible for Joseph and Mary to put these two messages together.

When they returned to Nazareth, it must have made them wonder how they could go back to life as usual. With all the wonderful promises and prophecies, it would be understandable for Joseph and Mary to expect something more in the days ahead than the quiet, humble life of Nazareth.

THEY WERE ASTONISHED

Nor did being the parents of God's Messiah mean their life with this boy would be one of harmony and full understanding. When, at age 12 they took him to the Temple for the Passover, Luke tells us that, when Jesus stayed behind in the Temple, "His parents did not know it, but supposing him to be in the company they went a day's journey..." Like any other parents, there were times when they "did not know" what he was doing and made false suppositions.

When at last they found him in the Temple, Luke tells us "they were astonished" not an unfamiliar experience for any parent. He may have been God's Messiah, but that didn't stop him from doing things that astonished them. Nor was all the astonishment pleasant: "Son, why have you treated us so? Behold your father and I have been looking for you anxiously."

"And they did not understand the saying which he spoke to them," but their failure to understand did not keep them from loving Jesus and keeping their faith in God's promises. Nor did their failure to understand him keep Jesus from being "obedient to them."

Even when we fail to understand God's will, like Mary we may nevertheless keep "all these things" in our hearts.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Use A Real Tree For Christmas

This is the time of year that most people are considering the type of Christmas tree to buy. And I hear objections to using real trees as being wasteful. So let's take a look at this situation.

Actually, the Christmas tree farmer is raising trees as a crop, and a source of income. This is much the same as the farmer that raises wheat, corn or soybeans to sell or use on the own farm. Christmas trees are raised on land not suited for other crops — not even pastureland. It's mostly rolling land and highly acid.

Also remember that these Christmas tree farmers are putting this land to good use by conserving the soil and providing an excellent water shed. Keep in mind that Christmas tree farmers have a slow return on their capital investment. From the time they plant the tree until it's ready for your living room the wait can be [illegible] to 6 years on small trees to [illegible] years on larger trees.

Another fact to consider is there is nothing like the fresh aroma of a real tree in your home during the Christmas season.

To Care For Calves

Care for calves in winter is important. Calves that are kept in cold housing, such as calf hutches, need to be well-bedded and they need to be kept dry.

To help them generate enough body heat to maintain normal body temperature, County Agent Glenn Shirk emphasizes the need for feeding more energy. This can be accomplished by feeding calves more milk or milk replacer, or by using a replacer that has a higher fat content. For calves that are consuming dry feed, additional grain and hay may be needed.

Also, provide calves with plenty of fresh air, but protect them from cold drafts.

To Appreciate Farm Labor

Farmers should not neglect opportunities to reduce production costs by carefully using family and non-family labor to maintain productivity at a high level.

There is more to using labor other than just wages paid or family trade-offs to run the farm. The returns received from your help should always be based on their productivity, reminds Arnold G. Lueck, Extension Agricultural Agent.

Attention to keeping the farm "labor force" happy and contented will really return more in production than an increase in wages (which you likely cannot afford now). Put more emphasis on: kindness, praise, respect, concern for the employee's family, some free time, recognition, fair treatment and other non-cash approaches. These will increase production more than any added wages alone.

To Keep a Positive Attitude

This time of the year many of us are wondering what lies ahead for agriculture and the farmer. The press is full of articles about the future and how the American

(Turn to Page A12)

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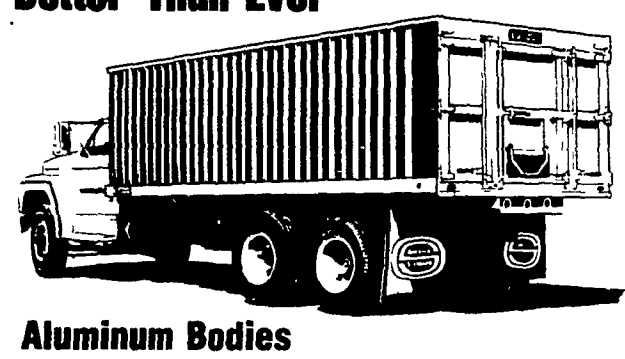
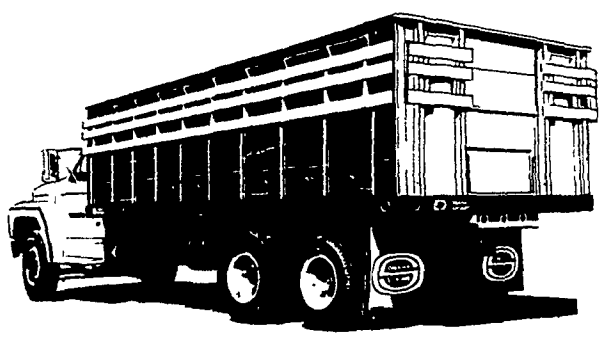
We've built rugged truck bodies for over 50 years and today we're continuing that tradition. That's the reason you can't make a better investment than an Omaha Standard steel, hardwood, stakeless steel or all-aluminum farm body.





Steel and Hardwood Farm Bodies

■ One-piece roll formed steel sides with built-in tarp rail. Available in 28", 40" and 52" extra-capacity heights...all with maximum corrugation for maximum strength.

■ 40", 48" and 54" hardwood sides also available...the truck body Omaha Standard built its reputation on.

■ The toughest platforms in the business — laminated wood, smooth steel or treadplate.

■ Easy-conversion hardwood livestock racks...greater flex and life than steel fold-down racks.

■ A full line of rugged gates...all engineered to make your job easier.

Omaha Standard Hoists

Select a job-matched, precision-engineered Omaha Standard hoist for your Omaha Standard body. Available in twelve models — scissors or the stabilized "Olympic" telescopic line. Capacities from 4 to 52 tons.

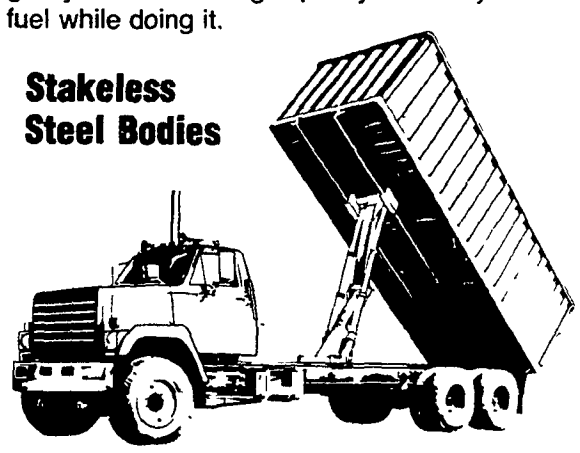
Aluminum Bodies

■ All-aluminum construction...splice-free 60" or 72" high vertically corrugated stakeless sidewalls ...extruded outrail and tarp rail cap... "I" beam cross sills.

■ Three-section full opening rear doors and swing-out header.

■ Greater inside dimensions and light weight give you more hauling capacity and lets you save fuel while doing it.

Stakeless Steel Bodies



■ 52" or 60" heavy gauge sides give you more hauling capacity for grain, sugar beets and other commodities.

■ Greater inside width and length make this an ideal body for hauling bagged or palletized products.

■ Wide selection of rear gates — two or three section full opening doors, beet and silage gates.

Haul More for Less

Pup Trailer

Over the road or in the field, Omaha Standard's new 300 bushel gravity dump truck pup saves you time and money. It's designed to handle your toughest hauling needs, increase your payload and save you fuel at the same time.

CHECK THESE ***STANDARD*** FEATURES:

- **10,000# axles with hydraulic self adjusting disc brakes.**
- **Truck brake conversion package.**
- **10 ply bias tires.**
- **Easy trailing with hinged tongue that's adjustable in length.**
- **Trailer type rack & pinion trap.**
- **Spring loaded truck pintle hook.**
- **Also available in larger capacity models.**

THIS IS THE ONE BUILT TO LAST

NOTICE!

Price Increase Effective January 1983.

All Orders Placed Before End of Year Will Be Honored At OLD PRICE For 1983 Installation

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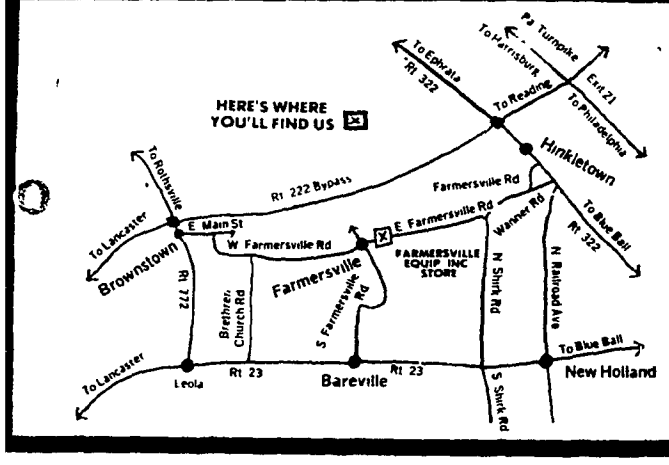

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VISA

OUR READERS WRITE,
AND OTHER OPINIONS

(Continued from Page A10)

aren't our legislators and government leaders listening?"

I then asked for an appointment to speak personally with the president. Or better yet, I invited him to dinner at my home for an evening of informative conversation. The secretary replied that she would put this invitation on his desk.

Following this call I telephoned Governor Thornburgh (who also was not available). Then I asked for Agricultural Secretary Holloweli (who likewise was not in Harrisburg). I did get through to Deputy Secretary Heim who informed me that the Pennsylvania Administration was solidly behind the dairymen and that Governor Thornburgh had last month sent Secretary Hollowell to Washington in an effort to get this unjust levy reversed. However, Heim informed me that the root of the problem appears to rest with (David) Stockman, Office of Management and Budget.

It appears that government is no longer responsive to the American people or taxpayers. I would assert that neither political party follows the philosophy on which they were founded. The Democrats are led by rich men, when in fact it was the party of Jefferson and Jackson who insisted that liberal government methods should be followed so that an atmosphere could be created in which the common man would find it possible to be successful and realize his goals. The Republican party is the party of Lincoln, who said in the Lincoln - Douglas debates: "My philosophy is simple—maintain high protective tariffs and keep out cheap foreign goods so that the American worker (and farmer) can get ahead."

Somewhere this American system has jumped the rails. Now we allow into our country millions of dollars of consumer goods, while the American workers and dairymen suffer. Why should we allow proven foreign dumping of goods in our country causing much suffering to the American people on our shores, while foreigners move our dollars off shore. Should we not think first of our own in crisis times like these?

President Reagan went to South America and gave (ostensibly a loan) $1.2 billion to a foreign country deeply in debt (to whom?—the international bankers), which then in turn (according to the U.S. News and World Report, 12/13/1982) diverted some of these funds to Nicaragua, a nation in chaos and ruled by the Sandanista Communists. Outrageous! Why? But then he wants to take almost almost this very sum out of the hides of the American dairymen. Can we buy foreign friends' loyalty? Never!

Furthermore, why make the American dairymen shoulder all of the government cutbacks? Why not ask businessmen who manufacture and handle substitute dairy products, like coffee whitener and artificial cheese to share in supporting the budget cuts?

Are any solutions possible? I suggested a course of action to Deputy Secretary Heim. I would personally volunteer a day to accompany hundreds of dairymen from this area in making a journey to Washington to call upon all of the senators and Congressmen from the Northeast milksheds (Pennsylvania, New York, New Jersey, Vermont, etc.) The only way to reverse this unjust levy upon dairymen is to persuade these congressmen to call this up on the floor of Congress for reconsideration. And the only way (to get them) do this is to put heavy pressure on them. I also urge that Governor Thornburgh either accompany us or that he gives the dairymen his backing and official support by letter that we can present to the congressmen.

In my opinion there is only one way to solve the present budget problems. The United States government cannot long endure unless new solutions to the problems are found—and soon. When President Reagan was running for office he sounded like a man who meant business. But after he took the oath of office things changed, for some reason. Why?

Many young farmers who love the land have been forced to go deeply in debt to follow their vocation. Seeing themselves annually sink more deeply into debt has caused many to become demoralized and discouraged. The only lasting solution to our present national economic problems is to get back to following the Biblical commandments.

Economic laws in the Bible will not allow us to develop a situation where grain rots in the field while in other parts of the world and even in our own country people are starving. But the name of the game today in government seems to be for the world government advocates to control people. As long as we stand for this control no solutions can be found.

"The rich rules over the poor, and the borrower is servant to the lender," Proverbs 22:7. The United States is not poor, nor are we bankrupt; our national debt is only a paper figure depending upon the assertions of people who want to appress us. That is what keeps weighing us down.

American's dairymen will waste their time writing letters to the president and congressmen. File Thirteen is too convenient. Telephone calls are often unanswered. Now is the time for good men to stand up and be counted befire it is too late.

Jacob O. Meyer,
Bethel, Pa.

Tired of feeding deer

I've never heard the Game Commission, sportsmen or anybody tell the public just how much it costs to raise a deer. Only the farmers and landowners raise and feed all of the game. Nobody else does.

It takes about a ton of grain to raise a hog if everything goes 100 percent right or about $140-150 at $7 per hundredweight; a steer about 3 to 4 tons or $500-600 in grain, hay, pasture, etc. This livestock feed is under controlled conditions. Not the deer!

A deer eats what it pleases and can ruin ten times as much feed as a steer or a hog. I'll wager to say that no deer can be fed for less than $500 — and I believe most cost over $1,000 to raise because deer are browsers and very wasteful destroyers. Deer ruin fruit trees and other trees, berries, peas, vegetables, grain, corn, and it only takes a few to ruin the crops on a farm.

They've raised havoc on our farm; and when it comes (time) to harvest any (deer) it's impossible. When the seasons come, they're miles away and not to be seen.

A fruit man planted 5,000 plum and apricot trees and a few years later the deer ate all of them. At $5

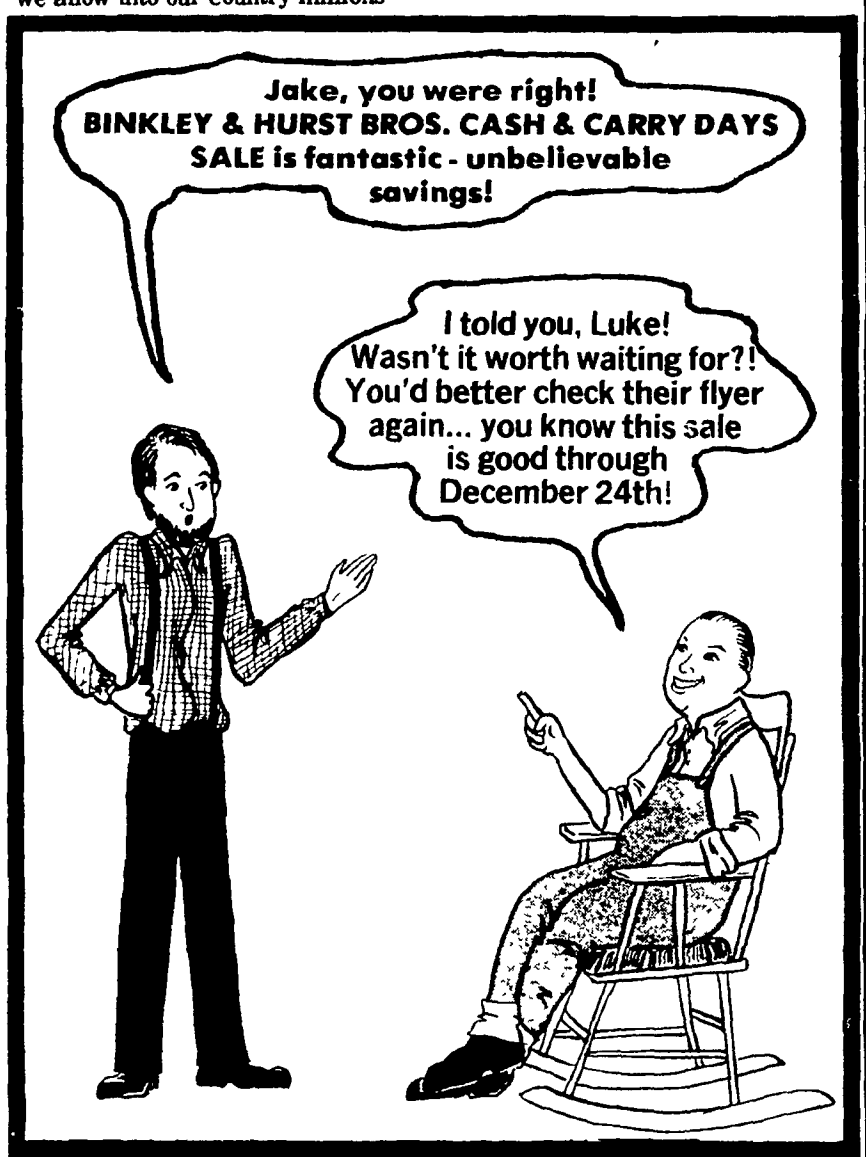
(Turn to Page A29)

Now Is the Time

(Continued from Page A10)

farmer is going to cope with all the problems. I'm sure we all realize there are major problems confronting our farmers, such as high interest rates, higher costs of most inputs, surpluses, and depressed market prices. However, we have always had problems in agriculture and no doubt they will continue in the future.

On the other side of the coin, we have a good demand for most of our farm products, both domestic and abroad, and a greater recognition of the contribution of the farmer. If all farmers will make a special effort to do a better job of managment and planning, and take a positive attitude of success and survival, they will be more successful and contented.


Jake, you were right!
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I told you, Luke! Wasn't it worth waiting for?! You'd better check their flyer again... you know this sale is good through December 24th!

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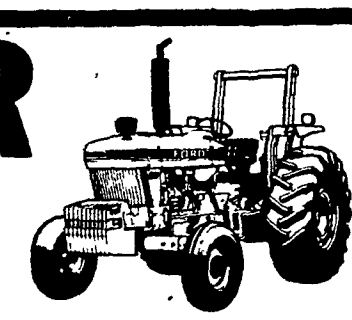

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Livestock market and auction news

St. Louis Cattle

Thursday, Dec. 16
Report supplied by USDA

Receipts this week	6,000
Week Ago	5,400
Year Ago	4,600

Compared to the previous week, Slaughter Steers steady to weak. Slaughter Heifers steady to .50 lower. Cows and Bulls weak to 1.00 lower. Slaughter supply mainly Choice and Mixed Choice and Prime Slaughter Steers, around 35% Heifers and 15% Cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1250 lbs. 56.50-57.00, couple part load 57.50, most late sales 57.00; 3-4 1100-1250 lbs. 55.00-55.50. Choice 2-4 950-1275 lbs. 55.00-57.00. Mixed Good and Choice 2-4 900-1200 lbs. 53.50-55.50. Good 2-3 900-1150 lbs. 52.00-54.00. Standard to Good 2-3 1050-1325 lbs. Holsteins 45.00-48.00 early, few late sales 43.50-46.00. Standard 2-3 950-1200 lbs. 41.75-43.50.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1075 lbs. 54.50-55.00, part load 55.25. Choice 2-4 825-1050 lbs. 53.00-54.50. Mixed Good and Choice 2-3 800-1000 lbs. 51.00-53.00. Good 2-3 750-950 lbs. 48.00-51.00.

COWS: (closing week sales) Utility and Commercial 2-4 31.00-33.00. Boning Utility 1-2 33.00-35.00. High-yielding Utility 1-2 35.00-36.00, few 37.00. Cutter 1-2 30.00-33.00. Canner and Low Cutter 1-2 27.00-30.00. BULLS: Few YG 1-2 1100-1700 lbs. 42.00-46.00.

Wednesday's weekly sheep auction. Receipts about 400 head. Compared last Wednesday, Slaughter Lambs 1.00-4.00 higher. Few lots Feeder Lambs steady. Other classes not well tested. Supply mainly wooled Slaughter and Feeder Lambs.

SLAUGHTER LAMBS: part deck Choice and Prime 103 lbs. shorn with No. 1-2 pelts 47.50. Choice and Prime 88-120 lbs. wooled 45.00-47.00, small lot 131 lbs. 48.00.

SLAUGHTER EWES: Few Good 12.00-13.00. Few aged bucks 7.50-10.00.

FEEDER LAMBS: Several small lots Choice and Fancy 66-89 lbs. 44.00-45.50.

FEEDERS: (Including around 2,300 at the regular Thursday acution.) Feeder steers and heifers very uneven, generally steady to 2.00 lower. Overall quality not nearly as attractive, as most recent increase due to a substantial increase in the supply of medium frame mixed 1-2.

FEEDER STEERS: Medium Frame 1: 300-600 lbs. 58.00-62.00; 600-750 lbs. 57.50-59.50; 800-975 lbs. 52.00-57.25. Medium Frame 1-2 and some small frame 1: 300-700 lbs. 50.50-58.00; mostly 54.25-57.50.

LARGE FRAME 2 HOLSTEINS: Several lots 350-600 lbs. 45.00-47.50; lot 643 lbs. 42.75 and lot 913 lbs. 43.00.

FEEDER HEIFERS: Medium Frame 1: 300-725 lbs. 48.00-53.50. Medium Frame 1-2 and scattered lots small Frame 1: 300-650 lbs. 42.00-48.00, mostly 44.50-47.50.

FEEDER COWS: Lot medium frame 2 700 lbs. middle aged and aged 33.00.

Peoria Cattle

Peoria, Illinois
Thursday, Dec. 16
Report supplied by USDA

Compared to last week Slaughter Steers .50-1.00 lower. Heifers .50 to mostly 1.00 lower. Cows 1.00-2.00 lower. Bulls 2.00 lower. Slaughter Cattle sold under pressure at midweek in direct response to a sharply lower carcass beef trade. Majority of salable supply good to Choice Steers and Heifers with 20% Cows and BUlls. Receipts this week about 3100 as compared to 3318 a week ago and 3217 a year ago.

SLAUGHTER STEERS: Choice 2-4 1050-1250 lbs. 55.50-57.50, mostly 56.00-56.50 load 1365 lbs. 58.00 on Monday. Several lots mostly YG 3-4's 52.00-55.00. Good and Choice 2-3 950-1150 lbs. 54.00-56.00. Good 50.00-54.00. Holsteins: Good to Choice 1-3 1250-1765 lbs. 45.00-49.50. Package standards 1050 lbs. 42.00.

SLAUGHTER HEIFERS: Choice 2-4 900-1125 lbs. 54.50-56.50. Around 1 load 1125-1250 lbs. Monday at 57.00. Few mostly 4's 50.00-51.00. Good and Choice 2-3 850-1000 lbs. 53.00-55.00. Good 50.00-53.50, few 48.00-50.00.

COWS: Utility 1-3 31.00-36.00. Cutter 28.00-32.00. Canner and Low Cutter 26.00-28.00.

BULLS: YG 1-2 1100-1800 lbs. 40.00-42.00, individual 2390 lbs. 42.00.

Middleburg Livestock

Middleburg, Pa.
Tues., Dec. 14, 1982
Report supplied by PDA

CATTLE 276: Compared with last Tuesday's market, slaughter cows mostly 50 cents lower. Few Choice 990-1190 No. 2-4 slaughter steers 56.25-60.25, Good 52.25-55.25, Standard 47.00-51.00. Few Choice slaughter heifers 53.00-58.10. Utility & Commercial slaughter cows 35.50-39.50, Cutters 33.50-36.50, Canner & Low Cutter 31.00-33.50, Shells down to 29.60. One Good slaughter bullock at 53.00. Yield Grade #1 1060-2100 lbs. slaughter bulls 47.50-51.75. Medium Frame #1 400-750 lbs. feeder steers & bulls 41.50-50.00.

CALVES 168: Few Choice vealers 86.00-94.00, Good 63.00-78.00, Standard & Good 70-105 lbs. 42.00-50.00, Utility 50-80 lbs. 30.00-42.00. Farm calves, holstein bulls 90-125 lbs. 55.00-76.00; few holstein heifers 90-115 lbs. 52.00-72.00.

HOGS 225: (Monday, December 13, 1982) Barrows & gilts steady to 50 cents higher. US No. 1-2 210-235 lbs. barrows & gilts 57.00-58.00, few to 59.00, No. 1-3 210-250 lbs. 56.00-57.00, No. 2-3 190-270 lbs. 54.60-56.00. US No. 1-3 385-550 lbs. sows 46.00-48.00. Boars 41.75-45.50.

TUESDAY 56. One lot US No. 1-3 215 lbs. barrows & gilts at 56.35.

FEEDER PIGS 157: US No. 1-3 20-35 lbs. feeder pigs 32.00-48.00 per head, No. 1-3 35-50 lbs. 46.00-59.00 per head.

SHEEP 30: Few Choice 70-100 lbs wooled slaughter lambs 45.00-51.00, Good 50-75 lbs. feeder lambs 36.50-45.00.

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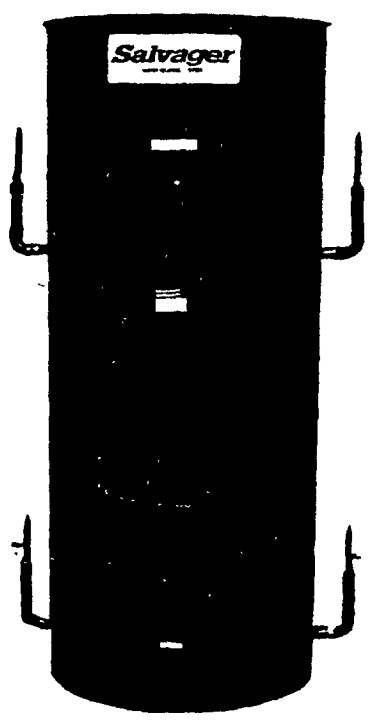

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Wysox 717/265-9131	**Winfield** 717/523-1204	**Dublin** 215/249-3556	**Chambersburg** 717/263-4197
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December 1982 Trailer Truckload Price List

Analysis	Bag	Analysis	Bag
5-10-10*	123.00	19-19-19	193.50
5-10-30*	148.00	20-10-10	172.00
5-20-20	158.00	28-13-13*	206.00
6-18-36*	178.00	30-10-10*	201.50
6-24-24	173.50	30-0-20*	192.00
6-26-26*	183.00	0-26-26*	174.00
7-27-11*	173.00	0-26-24* W/B	181.50
8-32-16 DAP	188.50	0-18-36*	166.50
8-32-16* MAP	203.00	0-14-42	159.00
10-20-20	168.50	0-14-40* W/B	169.50
12-24-24	190.00		
10-30-10*	185.00	46-0-0	196.00
12-36-12*	207.50	0-46-0	191.50
10-10-10*	139.50	0-0-60	135.75
12-12-12	149.00	18-46-0	215.50
16-16-16	173.50	13-52-0*	230.50

* May require minimum order

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Note - Market conditions may cause prices to change without notice The above prices will be honored through 12/25/82

Livestock market and auction news

Omaha Cattle

Thursday, Dec. 16
Report supplied by USDA

Compared to previous week's close slaughter steers and heifers ended the period steady to 50 cents lower. Cows and Bulls 50-1.00 lower.

The market-pattern paralleled that of recent weeks, in that buyers kept constant pressure on prices, trying to reduce live costs; but in the end were forced into purchases to bolster their slim inventories. Overall finish proved to be a mixed bag, with yield grade 4's still present in goodly numbers, while numbers of "short-fed" good grades on the increase. Muddy cattle, although not burdensome in numbers, still causing some concern in the trade. Total receipts ran 19 pct ahead of last week with numerous consignments originating at points outside the normal Omaha trade area, (Eastern Iowa in particular). Steer comprised 49 pct of weeks receipts; heifers 39 pct., cows 6 pct; feeders 5 pct. Four day receipts 15,189, week ago 12,358, last year 13,384.

STEERS: At the close: Choice 2-4 1000-1300 lbs. 58.00-59.00, some muddy 57.50. Choice 3-4, few 5's 110-1300 lbs. 54.00-57.00. Mixed Good and Choice 2-3 1050-1200 lbs. 57.00-58.00. Good 56.00-57.00. Few lots Good and Mixed Good and Choice 2-3 1150-1300 lb. Holsteins 49.00-50.00.

HEIFERS: Load Choice, few Prime 2-4 1050 lbs. 57.50. Choice 2-4 925-1100 lbs. 55.50-57.00. Few lots Choice 3-4 975-1050 lbs. 54.50-55.50. Mixed Good and Choice 2-3 900-1050 lbs. 54.50-56.00. Good 52.00-54.50.

Average of LS-214 detailed quotations for Choice 900-1100 lb. steers 58.35; 1100-1300 lbs. 58.68. Average cost steers 57.66, average weight 1159 lbs.; as compared 57.80 and 1172 lbs. a week ago. Average cost heifers 55.98, average weight 1023 lbs., as compared 56.45 and 1009 lbs. a week ago.

COWS: High Cutter, Utility and Commercial 1-3 32.50-34.00, few high-dressing to 35.75. Cutter 31.00-32.50. Canner and Low Cutter 29.00-30.50.

Chambersburg Auction

Chambersburg, PA
Thursday, Dec. 16
Report supplied by PDA

CATTLE: 365. Compared with last week's market: Slaughter steers 2.00-3.00 higher; Sl. steers: one Choice 1250 lbs. at 56.85; (few) Good 54.50-58.00; Standard 44.00-49.50. Sl. heifers: (few) Choice 50.75-57.50; (few) Good 48.50-51.75; (few) Standard 42.50-46.00. Sl. cows: Utility & Commercial 37.60-41.60, few to 44.10; Cutters 36.75-39.75; Canner & L. Cutter 33.50-36.75; Shells down to 30.75. Sl. bullocks: couple Good 52.00 & 52.75. Sl. bulls: (few) Yield Grade No. 1, 1250-1875 lbs. 47.25-49.00. Heifers, (few) Medium Frame No. 1, 400-780 lbs. 37.00-45.50.

CALVES: 568. Vealers grading Choice 2.00-10.00 lower. (few) Prime 96.00-98.00; Choice 78.00-93.00; Good 58.00-75.00; Standard & Good 110-120 lbs. 50.00-59.00; 70-100 lbs. 43.00-50.00; Utility 50-85 lbs. 25.00-42.00.

FARM CALVES: Hol. Bulls 85-130 lbs. 50.00-79.00, mostly 60.00-70.00; Hol. Heifers 70-85 lbs. 49.00-55.00; 100-140 lbs. 65.00-92.00.

HOGS: 73. Barrows and gilts .25-.50 higher. No. 1-3 200-260 lbs. 55.00-56.25. US No. 1-3 285-575 lbs. 46.00-49.50. (few) Boars 39.50-41.00.

FEEDER PIGS 57. (few) lots US No. 1-3 20-30 lbs. 31.00-39.50; one lot 80 lbs. at 47.00 per head.

SHEEP: 25. one lot Choice 45 lbs. new crop lambs at 83.00; (few) Choice 85-110 lbs. wooled sl. lambs 47.00-49.00; one lot Good 52 lbs. wooled sl. lambs 43.50; (few) Sl. ewes: 15.00-20.00.

GOATS: 5. (few) 20.00-32.00 per head.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Dec. 11
Report supplied by auction

FEEDER CATTLE: Trend-$2.00 lower all classes. Steers: M&L-1 300-500 lbs. 56.00-62.00; 500-700 lbs. 51.00-60.75; 700-1000 lbs. 52.50-57.50; Holstein 300-1000 lbs. 43.00-47.50. S-1&M&L-2 300-500 lbs. 44.00-56.00; 500-700 lbs. 46.00-52.00; 700-1000 lbs. 45.50-47.00. Feeder Bulls: M&L-1 300-500 lbs. 50.00-55.00; 500-700 lbs. 43.00-48.00; 700-1000 lbs. 42.00-49.00. S-1&M&L-2 300-500 lbs. 40.00-44.00. Heifers: M&L-1 300-500 lbs. 40.00-44.50; 500-700 lbs. 40.00-46.50; 700-800 lbs. 40.00-47.00. S-1&M&L-2 300-500 lbs. 36.00-42.00; 500-700 lbs. 35.00-39.50. Stock Cows: Beef- Sold by cwt. 31.25-35.25. Dairy- 300.00-420.00.

SLAUGHTER COWS: Trend-3.00 lower. Utility & Commercial 2-4 29.50-35.00; Canner & Cutters 1-3 23.50-30.00.

SLAUGHTER BULLS 1&2: 43.00-47.00.

LAMBS: Trend- Steady. High Choice & Prime 51.00; Choice 50.00; Feeder Lambs Choice 51.50-53.50.

HOGS: US 1-3 200-240 lbs. 51.00; Sows 1-3 50.00-52.00; Boars 35.75.

VEAL: Choice & Prime 74.00-78.50; Good 52.00-58.00.

SLAUGHTER CALVES: Choice 41.00-46.00.

Belknap Auction

Dayton, PA
Wed., December 15, 1982
Report supplied by PDA

CATTLE 87: One Standard slaughter steer at 44.50. One Good slaughter heifer at 42.00, one Standard at 36.50, few Utility 32.50-36.25. Utility & Commercial slaughter cows 35.00-39.00, Cutters 32.00-35.25, Canner & Low Cutter 24.25-32.00, Shells down to 22.50. Couple Utility slaughter bullocks at 36.50. Couple Yield Grade #1 1255 and 1330 lbs. slaughter bulls 42.00 and 45.00. Few large Frame #2 430-820 lbs. feeder steers (holsteins) 29.00-35.00; few Medium Frame #1 325-385 lbs. feeder heifers 38.00-42.00.

CALVES 73: Couple Good vealers 61.00 and 70.00, on Standard at 50.00, Standard & Good 90-120 lbs. 45.00-55.00, 60-85 lbs. 35.00-46.00. Farm calves, holstein bulls 100-130 lbs. 55.00-70.00, one at 80.00.

HOGS 168: US No. 1-2 200-255 lbs. barrows & gilts 57.00-58.00, No. 1-3 210-260 lbs. 55.00-56.25, No. 2-3 260-310 lbs. 50.00-54.25. US No. 1-3 355-650 lbs. sows 44.00-48.00, few 52.00-52.25, few No. 2-3 410-605 lbs. 41.00-44.50. Boars 38.00-44.00.

FEEDER PIGS 92: US No. 1-3 10-20 lbs. feeder pigs 9.00-16.50 per head, No. 1-3 30-40 lbs. 25.00-37.00, few No. 1-3 45-60 lbs. 40.00-45.00 per head.

SHEEP 5: Few Choice 95-115 lbs. wooled slaughter lambs 42.00-46.50.

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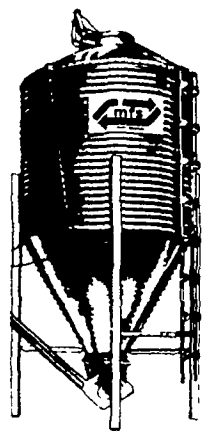
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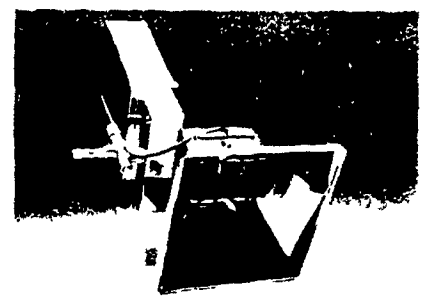
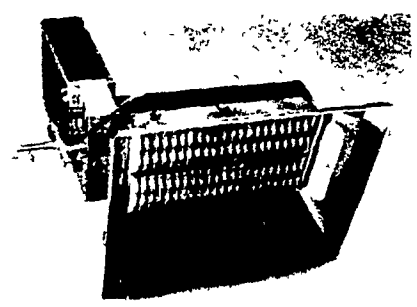

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Livestock market and auction news

Leesport Livestock Auction

Leesport, Pa.
Wednesday, Dec. 15
Report supplied by PDA

CATTLE 330: Compared with last Wednesday's market, slaughter steers steady to weak. Few High Choice & Prime 1170-1430 lbs. slaughter steers 58.75-60.35, Choice NO. 2-4 980-1260 lbs. 56.00-58.00, one at 59.50, few No. 4-5 1065-1200 lbs. 55.00-56.00, Good & Choice holsteins 1270-1500 lbs. 52.00-55.50, Good 51.85-55.75, Standard 48.00-52.00, few Utility 42.00-47.74. Few Choice slaughter heifers 53.50-58.25, few Good 45.00-52.50. Utility & Commercial slaughter cows 37.00-39.50, few to 40.50, low dressing 35.00-37.00, few Commercial No. 4-5 33.50-36.00, Cutters 34.10-38.10, Canner & Low Cutter 30.00-35.00. Good slaughter bullocks 52.25-55.75, few to 59.25. Yield Grade #1 1340-1870 lbs. slaughter bulls 47.75-53.00; few yield grade #2 1000-1240 lbs. 45.50-47.85. Large & Medium Frame #1 350-600 lbs. feeder steers 55.00-59.00, Large Frame #2 600-900 lbs. 44.25-48.00; Medium & Small Frame #1 400-800 lbs. feeder bulls 44.00-49.50, few Large Frame #2 735-880 lbs. 43.00-45.00.

CALVES 162: Few Good vealers 65.00-79.00, few Standard & Good 120-125 lbs. 54.00-55.00, 90-110 lbs. 48.00-52.00, 70-85 lbs. 42.00-46.00, Utility 60-100 lbs. 30.00-46.00. Farm calves, holstein bulls 90-125 lbs. 50.00-84.00, mostly 60.00-79.00; few holstein heifers 90-120 lbs. 50.00-69.00.

HOGS 300: Barrows & gilts 3.00-4.00 higher. US No. 1-2 200-250 lbs. barrows & gilts 56.85-58.00, one lot 58.50, No. 1-3 195-250 lbs. 55.50-57.10, few No. 2-3 235-290 lbs. 52.75-54.50, few No. 1-3 175-190 lbs. 52.00-53.85. US No. 1-3 300-615 lbs. sows 45.75-48.00, few to 49.75, few No. 2-3 & Medium 315-550 lbs. 43.50-45.50. Few Boars 42.00-44.50.

FEEDER PIGS 238: US No. 1-3 15-30 lbs. feeder pigs 126.00-145.00 cwt., NO. 1-3 30-55 lbs. 103.00-128.00, No. 1-3 65-75 lbs. 84.00-94.00, one lot 102.00, few No. 1-3 110 lbs. 74.00-81.00, Utility 40-50 lbs. 80.00-98.00 cwt.

SHEEP 149: Few Choice New crop lambs 140.00-180.00, few 45-55 lbs. 97.50-137.50, few 55-70 lbs. 66.00-80.00; Choice 70-120 lbs. wooled slaughter lambs 45.00-54.00, one lot 57.00, one lot Choice 138 lbs. at 39.00; few Good & Choice 45-60 lbs. wooled slaughter lambs 52.00-64.00, 60-90 lbs. 39.00-47.50. Slaughter sheep 14.00-24.00.

GOATS 23: Mostly 34.00-48.00 per head.

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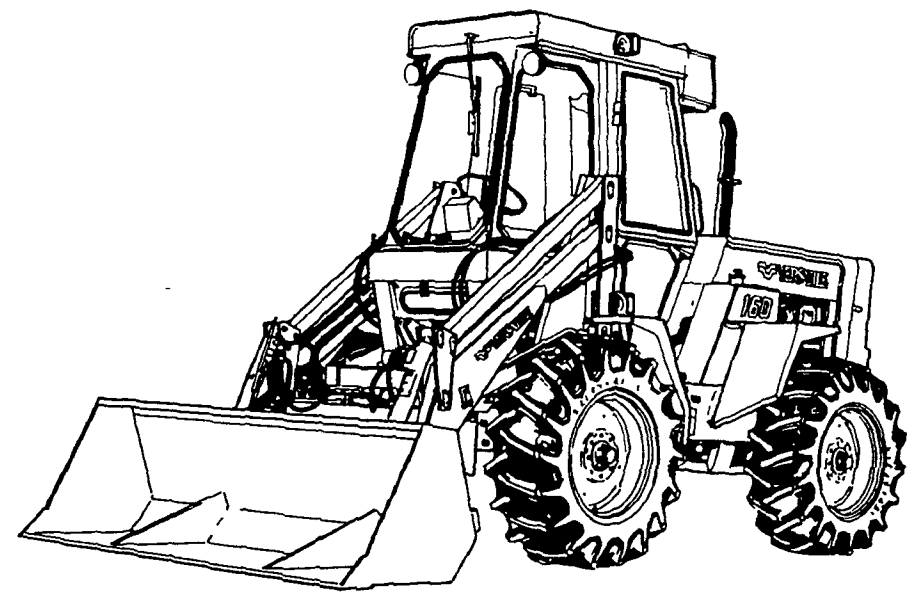

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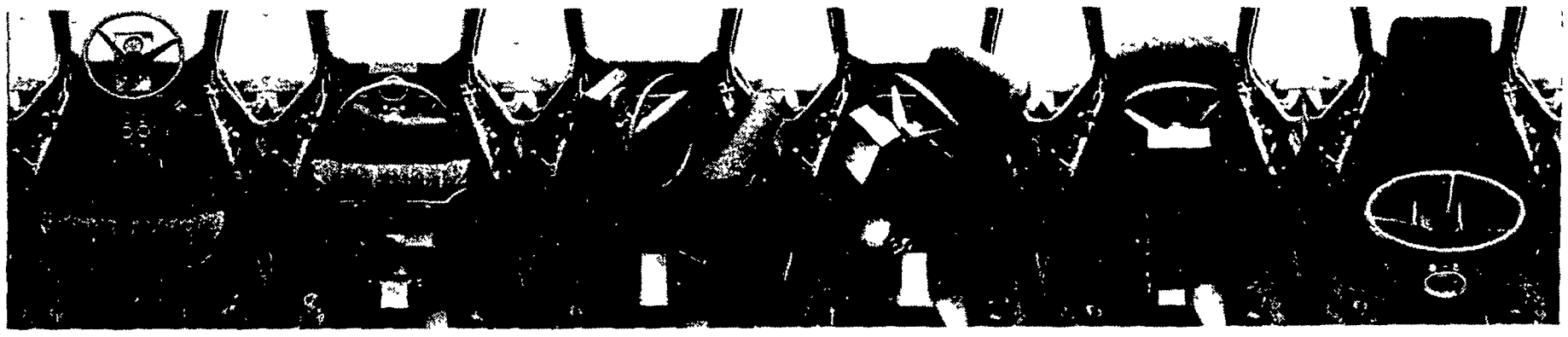

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Livestock market and auction news

Indiana Auction

Homer City, PA
Thursday, Dec. 16

CATTLE: 215. Compared with last week's market: Sl. cows unevenly steady. Sl. steers: (few) Standard & Good 45.00-51.00; (few) Utility 41.00-45.50. Sl. heifers: (few) Good 48.00-50.00; (few) Standard 42.50-45.00; Utility 38.00-43.00. Sl. cows: Utility & Commercial 36.00-39.75, one at 42.00; Commercial 4-5, 35.00-38.75; Cutters 33.00-36.25; Canner & L. Cutter 25.00-33.50; Shells down to 18.00. Sl. bulls: Yield Grade No. 1, 1100-1700 lbs. 43.00-48.75; Yield Grade No. 2, 950-1400 lbs. 38.50-43.50.

FEEDER CATTLE: Steers, (few) Medium Frame No. 1, 500-650 lbs. 47.50-51.25. Heifers, (few) Medium Frame No. 1, 300-600 lbs. 41.00-46.75; (few) Medium Frame No. 2 500-600 lbs. 34.00-40.00. Bulls, Medium Frame No. 1 500-600 lbs. 44.00-49.25.

CALVES: 155. (few) Choice 78.00-87.00; Good 70.00-82.00; 90-120 lbs. 46.50-55.00; 60-85 lbs. 39.00-47.00.

FARM CALVES: Hol. Bulls 90-125 lbs. 59.00-74.00.

HOGS: 95. Barrows and gilts 2.00-3.00 lower. US No. 1-2 210-260 lbs. 57.00-58.25, one lot 10 head at 59.00; No. 1-3 200-260 lbs. 56.00-57.25; (few) No. 2-3 285-350 lbs. 51.50-53.00. US No. 1-3 400-600 lbs. 43.00-46.00; No. 2-3 350-500 lbs. 40.00-42.00. (few) Boars 40.00-41.00.

FEEDER PIGS 55. US No. 1-3 20-40 lbs. 19.00-36.00; 45-60 lbs. 42.00-53.00 per head.

SHEEP: 115. Choice 80-90 lbs. 45.00-53.00, few to 56.00; Good 75-85 lbs. 44.00-46.00; Utility 35-55 lbs. 30.00-42.00. Sl. sheep: 12.00-25.00.

GOATS; 4. 12.00-30.50 per head.

Lancaster County Weekly

(Continued from Page A2)

1050-1275 lbs. 61.00-63.00, couple 63.75-64.50; Choice 2-4 1050-1425 lbs. 59.00-61.75; high Good and low Choice 2-3 1000-1375 lbs. 55.75-60.00, Good 2-3 53.00-57.50; Good and Choice 1200-1450 lb. holsteins 51.00-55.00, few Choice 55.00-57.75, Standard 1-2 45.00-50.00.

SLAUGHTER HEIFERS: Choice 2-3 850-1050 lbs. 53.75-58.00, couple 58.00-59.00, few Yield Grade 2 60.00-62.75; Good 2-3 825-1050 lbs. 51.00-55.50.

COWS: Utility and Commercial 1-3 38.00-40.50, few 40.50-41.50, Cutter 1-2 36.00-39.50, few 39.50-41.50, Canner and low Cutter 32.00-36.50.

BULLOCKS: Choice 1050-1350 lbs. 55.50-59.50; Good 1000-1250 lbs. 50.75-56.00.

BULLS: Yield Grade 1 1300-2000 lbs. 49.00-54.00, few 54.00-56.25, couple 61.35-61.75; Yield Grade 2 1000-1300 lbs. 45.00-51.00, mainly 48.00-50.50.

VEAL CALVES: Vealers firm to 5.00 higher. Demand good for holstein bulls to return to farm.

VEALERS: Prime special fed 220-300 lbs. 90.00-100.00; Choice 150-225 lbs. 95.00-110.00, few 110.00-115.00; Choice 220-300 lbs. 90.00-100.00; high Good and low Choice 160-280 lbs. 65.00-90.00, 115-160 lbs. 55.00-75.00, 80-115 lbs. 43.00-55.00, 60-75 lbs. 36.00-45.00.

SLAUGHTER CALVES: Good and Choice 180-350 lbs. 45.00-63.00.

RETURN TO FARM: Few 90-115 lb. holstein heifers 55.00-60.00, one lot 80 lbs. 49.50; bulk 90-125 lbs. holstein bulls 65.00-85.00, including 176 head 100-115 lbs. 81.50-82.50, several 85-90 lbs. 54.50-65.00.

Pa. Auction Summary

Friday, Dec. 17
Report supplied by PDA

CATTLE: 5353. Compared with 6358 head last week, and 4363 head a year ago. Compared with last week's market: Slaughter steers steady to 1.00 lower; Sl. heifers 1.00-2.00 lower; Sl. cows mostly 1.00-2.00 lower; Sl. bulls uneven. Sl. steers: High Choice & Prime No. 3-4 60.00-62.10; Choice No. 2-4, 56.00-61.50; Good 54.00-57.50, few down to 51.00; Standard 44.00-51.00. Sl. heifers: Choice 53.00-58.25; Good 48.00-53.00; Standard 42.00-48.00. Sl. cows: Utility & Commercial 35.00-39.50, few to 41.60; Cutters 33.00-38.75; Canner & L. Cutter 30.00-35.50, few down to 25.00; Shells down to 18.00. Sl. bullocks: (few) Choice 55.50-59.50; Good 52.00-55.75. Sl. bulls: Yield Grade No. 1, 1000-2200 lbs. 47.00-54.00; Yield Grade No. 2 900-1400 lbs. 38.00-50.00.

FEEDER CATTLE: Steers, Medium Frame No. 1 300-750 lbs. 44.00-54.00. Heifers, Large Frame No. 1 300-800 lbs. 42.00-49.50; Medium Frame No. 1 & 2 300-700 lbs. 34.00-45.50. Bulls, Medium Frame No. 1 300-700 lbs. 38.00-50.00.

CALVES: 4165. Compared with 4680 head last week and 3860 head a year ago. Vealers unevenly steady. (few) prime 96.00-118.00; Choice 86.00-110.00; Good 65.00-90.00; Standard & Good 110-130 lbs. 54.00-60.00; 90-110 lbs. 43.00-55.00; 65-90 lbs. 40.00-50.00; Utility 50-100 lbs. 30.00-42.00.

FARM CALVES: Hol. Bulls 80-125 lbs. 50.00-92.00, mostly 55.00-75.00; Hol. Heifers 80-140 lbs. 49.00-92.00, mostly 55.00-72.00.

HOGS: 6590. Compared with 7648 head last week and 6722 head a year ago. Barrows and gilts 1.00-2.00 higher. US No. 1-2 200-245 lbs. 56.50-58.85. No. 1-3 200-250 lbs. 55.00-57.75; No. 2-3 200-285 lbs. 51.00-54.50, few to 56.75; (few) No. 1-3 140-190 lbs. 50.50-53.85; Sows 50-1.00 lower. US 300-600 lbs. 45.00-50.00; No. 2-3 300-750 lbs. 41.00-45.50. Boars 38.00-44.00.

FEEDER PIGS 1171. Compared with 1221 head last week and 640 a year ago. Feeder pigs steady to 5.00 lower. US No. 1-3 20-35 lbs. 18.00-35.00; 35-50 lbs. 27.00-48.00; 50-85 lbs. 39.00-59.00 per head.

SHEEP: 1422. Compared with 1162 head last week and 966 head a year ago. Steady to strong. Choice 70-115 lbs. wooled sl. lambs 45.00-57.00, few to 64.00; Choice 25-70 lbs. new crop lambs 80.00-180.00; Good wooled lambs 60-100 lbs. 42.00-52.00; Utility 50-70 lbs. wooled lambs 45.00-46.00. Sl. ewes: 10.00-26.00.

GRADED FEEDER PIGS: 3 Graded Feeder Pig Sales 2572. Compared with 3130 head last week, and 1764 head a year ago. All sales by CWT. Feeder Pigs mostly steady to 5.00 lower. US No. 1-2 20-40 lbs. 124.00-154.00, 40-50 lbs. 116.00-140.00, 50-60 lbs. 104.00-125.00, 60-75 lbs. 91.00-109.00; US No. 2-3 30-40 lbs. 110.00-134.00, 40-55 lbs. 97.00-118.00 per hundredweight.

North Jersey Livestock

Hackettstown, N.J.
Tuesday, Dec. 14
Report supplied by auction

1409 head.

Calves 20.00-99.00; Cows 24.50-43.75; Easy Cows 26.50-37.75; Heifers 33.00-42.75; Bulls 38.50-55.25; Steers 36.75-55.50; Hogs 38.00-59.00; Roasting Pigs, each 15.00-50.00; Kids 5.00-45.00; Boars 40.00-43.00; Sows 38.00-51.50; Sheep 10.00-40.00; Lambs, each 23.00-66.00; Lambs per lb. 27.00-75.00; Goats, each 30.00-64.00; Hides 2.00-7.00.

Oklahoma Cattle

Oklahoma City, OK
Thursday Dec. 16, 1982
Report supplied by USDA

Estimated receipts 1050; same day last week 617. Feeder Steers and heifers steady. Demand good. Bulk supply medium Frame 1 and mixed 1-2 300-600 lb. Feeder steers and heifers with limited numbers in any one class or weight group. Actual sales through the auction, 690 head.

FEEDER STEERS: Medium, few large frame 1 300 lb. 71.00; 375-500 lb. 67.25-70.00; 550-600 lb. 64.60-65.00; 600-650 lb. 63.70-65.55; lot 755 lb. 64.00; Pkg. 795 lb. 60.40; lot fleshy 835 lb. 58.00. Small frame 1 425 lb. 64.75; 545 lb. 61.10. Medium and large frame mixed 1-2 375 lb. 65.60; 425 lb. 67.25; 500-605 lb. large frame 2 385 lb. 56.80; 415 lb. holsteins 56.90.

FEEDER HEIFERS: Medium, few large frame 1 240-500 lb. 54.00-58.10; 500-625 lb. 54.00-55.30. Small frame 1 310 lb. 52.75; 460 lb. 51.01. Medium, and large frame mixed 1-2 260-500 lb. 52.00-56.00; 500-600 lb. 49.00-54.00 mostly 51.50-54.00.

FOR THE WEEK: Feeder steers 500 lb. 2.00 higher; over 500 lb. steady to 1.00 higher. Feeder heifers under 500 lb. 2.00-3.00 higher; over 500 lb. 1.00-2.00 higher. Deman good in late trading, exception only fair outlets for an increased showing of fleshy offerings over 775 lb. Slaughter cows firm to 50C higher. Late sales Utility and Commercial 2-4 34 10-38.70; Cutter 1-2 33.00-36.60; Canner and low cutter 28.00-33.00. Bulls 1.00-2.00 higher. Late sales YG 1-2 1150-1550 lb. 44.50-49.25, some high-dressing 1250-2550 lb. 49.25-50.25. Salable receipts this week near 16,000 head compared to 18,051 last week and 8,609 head last year. Feeder cattle and calves made up 88 percent of total run and the remaining 12 percent was largely cows and bulls.

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NEMA expresses foreign interest concerns

BOSTON, Mass. — Meeting here on Dec. 10, officers and directors of Northeast Egg Marketing Association reflected a rising level of concern among NEMA producers that the Northeast Region could well be targeted for further layer expansion by foreign interests.

In discussions attempting to assess the scope of the problem, it was charged that foreign interests continue to search out areas and operations that represent safe havens for their money. Coupled with that is an alleged willingness on their part to plan for the long pull, says NEMA. This includes expressions that they are content to lose money for as long as six years provided there is expectancy of profit at the end of 12 years.

Searching for means to counter this influx, NEMA directors stated that "a mobilization of sentiment both within and without the industry against this intrusion is the way to go."

A decision was made to again impress upon United Egg Producers the gravity of the problem and to move without delay to shape and have approved, in each state capital, legislation that will block further threat of monetary invasion.

John Ricca, president of NEMA, pledged continued effort by NEMA to render any help that it can to eastern egg producers trying to cope with excessive penalties assessed for alleged weight violation by the New York City Division of Consumer Affairs. NEMA is urging New York's Commissioner Gourdine of the City Bureau to grant an appointment that will allow a thorough discussion of issues between producers and his inspection service.

Christine Bushway is again on staff at NEMA as director of promotion. In her opening report she indicated an excellent initial success, an invitation ot anchor a two-hour Television segment on eggs on a major Boston station in January. Chris stated that she will be giving a lot of attention to boosting eggs and egg products on cable Television.

Reporting to the group, Mike Arcidy, manager of FACTS, stated that new interest in processing leghorn fowl has surfaced in New York, Pennsylvania and Ohio. Arcidy said a lot of fowl moved to market after the pre-December egg price drop, and the industry is in a quieter period now with bookings light into the new year.

Continued chicken pattie purchases by USDA have proven to be a good underpinning for the fowl market. Their procurement is restricted to meat from fowl running up to four pounds maximum weight.

It was announced that NEMA, at the invitation of Pennsylvania Farmers' Association, will be reporting at a meeting of egg producers on Jan. 18 at Hershey, Pennsylvania. Pennsylvania Poultry Federation and P.E.I.A. will share in the session as well.

Directors from Pennsylvania again expressed stern opposition to any attempt to achieve mandatory change from cash to accural for the egg industry. It is their position that 90 percent of Pennsylvania producers do not want the change and that a nationwide producer poll should have preceded any decision to seek the change. It was reported that pressure by UEP to have USDA re-examine and scale down inspection feeds to the egg industry will have a high priority in 1983. One director expressed the view that active resistance by producers to cut manufacturer's price increases have brought about a retreat by the carton people. He offered this as evidence that unity and good communication can keep money inproducer's pockets.

Get more heat for your fuel dollar

LANCASTER — Many homeowners are distressed at the size of their heating bills even after adding insulation, storm windows, caulking and weatherstripping. Since a furnace accounts for over half the energy used in a house, this is a logical place to look for energy waste.

Some of the most obvious ways to increase furnace efficiency are the simplest and least costly. If you have a forced air system, check the ductwork for leaks. Do this by feeling the ducts and listening for air leaks when the furnace fan is on. If you find a leak, seal it with duct tape.

As you check for air leaks, you'll probably notice how hot the ducts are. If they're located in an unheated area, you could be losing up to 25 percent of your furnace heat through them. Insulating the ducts will prevent much of this heat loss.

Listen to the furnace to make sure the fan runs long enough after the flame goes out to remove all the heat from the ductwork and furnace. If not, adjusting the bonnet thermostat could save 10 to 15 percent on your heating bill.

Keep the furnace filter clean. Don't block air inlets or outlets. Draperies that hang over floor vents can trap warm air and this heat will be lost through the windows.

With a hot water system, bleed air from radiators every year for optimum circulation. For best performance, paint radiators with special radiator paint. Some metallic paints and casings built around radiators can reduce heat transfer by as much as 25 percent. Install a sheet of metal or aluminum foil behind radiators near cold walls to reflect heat back into the room.

Thermostat setback can save substantially on heating bills, too. Permanently lowering the setting from 72 to 68 degrees F will save approximately 12 percent in fuel. An eight-hour nighttime setback of 10 degrees will save about 10 percent in fuel costs. An electric blanket costs about $12 a year to operate. This may be cheaper than heating the entire house at night.

Another simple task that should be done regularly is removing lint and house dust from the furnace. A gas furnace will often operate efficiently for many years, though periodic checks are desirable for safety reasons. Oil burners should be cleaned and serviced professionally once a year. The cost of an annual tuning and cleaning usually is soon repaid in fuel savings.

U.S. ag official to speak at Farm Show dinner

HARRISBURG — Wilmer D. Mizell, Sr., USDA Assistant Secretary for Governmental and Public Affairs, will be the keynote speaker Saturday, Jan. 8, at the Pennsylvania State Farm Show Banquet.

The All—Pennsylvania Banquet will be held at the Penn Harris Motor Inn, Camp Hill, beginning at 6 p.m. to help kick off Farm Show Week Jan. 9-14. State commodity queens will be honored guests while entertainment will be provided by the Pennsylvania State University Glee Club.

Mizell, better known as "Vinegar Bend" after his hometown in Alabama, is a former U.S. Congressman, representing the Fifth District of North Carolina from 1969 to 1974. He was a member of the House Committee on Agriculture dealing in such areas as family farms and rural development, dairy and poultry, oil seeds and rice, and tobacco.

Mizell also was a member of the House Republican Task Forces on Energy, Rural Development and Land Use, and Revenue Sharing. After leaving the House, he was named Assistant Secretary of Commerce for Economic Development. He was sworn in as Assistant Secretary of Agriculture for Governmental and Public Affairs on Aug. 23, 1982.

Secretary Mizell's career includes 13 years as a professional baseball player. His baseball years were highlighted when he pitched for the Pittsburgh Pirates during their 1960 world championship season.

The secretary is married to the former Nancy Ruth McAlphine. They have two sons, Wilmer, D. Jr., and James Daniel.

The Farm Show Banquet heralds the largest indoor agricultural exposition in the country. Over 200 commercial exhibitors and 4,000 head of livestock, sheep and poultry will compete for more than $143,300 in premiums during the show.

The six-day, four night show also features many exciting evening events including a concert Sunday, Jan. 9 featuring country and western starts Jerry Reed and Bill Anderson, to benefit 4-H and FFA programs at the Farm Show.

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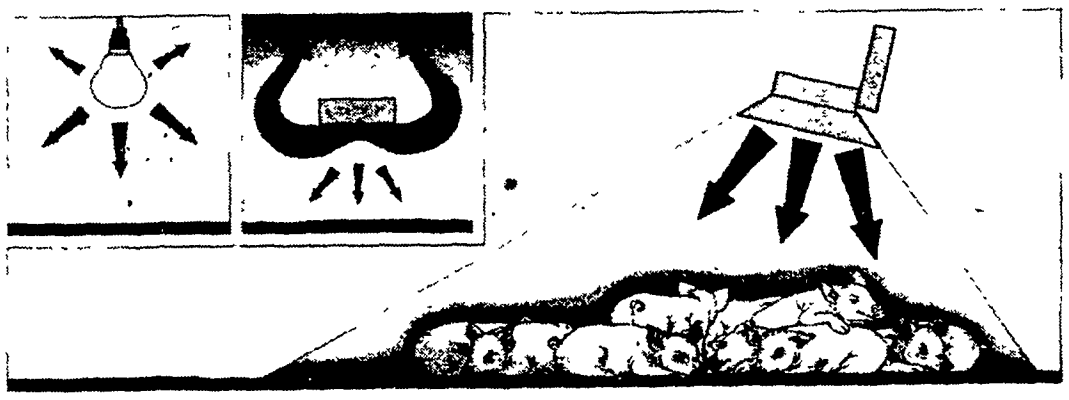

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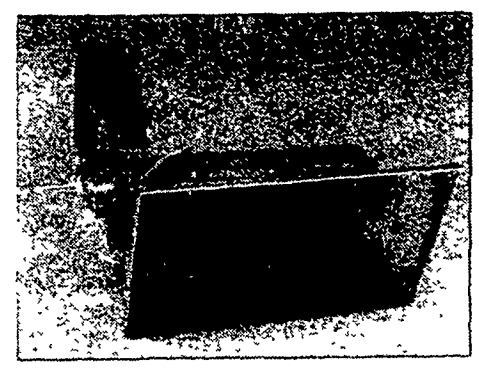

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Red and White ETs make Holstein history

BOULDER, Co. — A new benchmark in Holstein breeding was set recently by Red And White Associates of Boulder, Colorado. Specializing in Red and Whites, this sire proving up selected three Red Holstein full brothers from Huff-N-Puff Farm of Juliustown, New Jersey, all resulting from embryo transfer.

Three red full brothers resulting from embryo transfer and all entering national progeny testing is considered to be a first in dairy cattle breeding according to Fred Hendricks, manager of Red And White Associates.

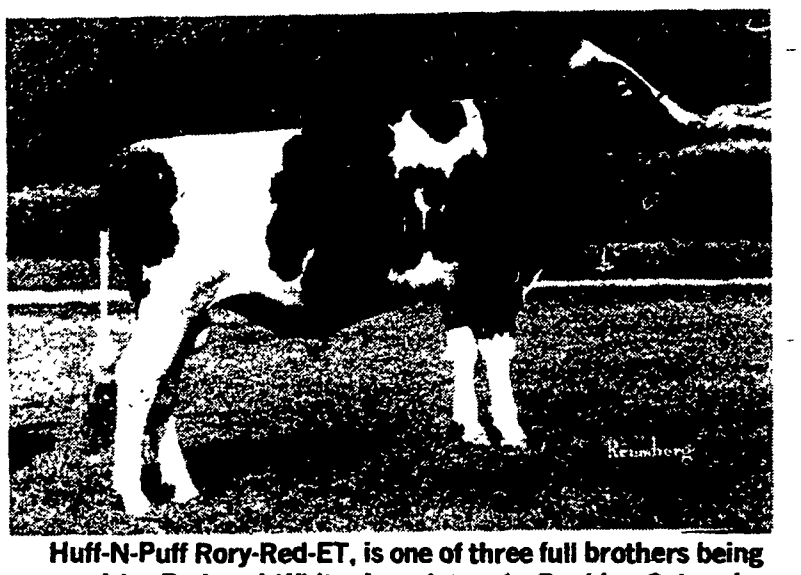
The young bulls are sired by Ca-Lill Standout Cavalier, a red factor Gold Medal Sire with predicted differences at +2,061 milk, +42 fat and +0.77 type. Their dam is Huff-N-Puff Performer Lizarosa, EX-2E. The red factor Gold Medal Day is sired by Romandale Dividend Performer.

Bred by William Pettit and family, Lizarosa has been a cornerstone in the Huff-N-Puff herd. Lizarosa has several impressive records, however her highest lactation is 28,670 pounds milk, 4.0 percent test, and 1,144 pounds butterfat. Her lifetime credits are 156,270 pounds milk, 4.1 percent test, and 6,475 pounds butterfat. In addition, Lizarosa has many daughters with high milk yield and outstanding type.

The calves grandam is sired by Brigeen Chief Flying Cloud whereas their third dam is a high producing granddaughter of Osborndale Ivanhoe.

While the three bulls were syndicated and therefore owned by 19 farmer-breeders in 12 states, each is being developed jointly with a different artificial insemination firm. Huff-N-Puff Rooster-Red-et is at Tri-State Breeders, Westby, Wisconsin. Huff-N-Puff Rory-Red-et is at Sire Power, Tunkhannock, Pennsylvania. Huff-N-Puff Royalist-Red-et is at Carnation Genetics, Hughson, California.

Red And White Associates is a group of farmer-breeders cooperating together for the purpose of developing new Red and White genetic seed stock. Presently Red and White Associates is the largest group in the world proving Red Holsteins with nearly 50 bulls in various stages of development, states Hendricks.



Huff-N-Puff Rory-Red-ET, is one of three full brothers being proved by Red and White Associates, in Boulder Colorado. The young sires, all embryo transplants, have entered national progeny testing and are considered to be a breeding first. Sired by Ca-Lill Standout Cavalier, the bulls are out of Gold Medal dam Huff-N-Puff Performer Lizarosa.

Dry cow tops Penn-Bell

NARVON — A 6-year-old dry cow collected a $2,300 bid to top the recent Penn-Bell Ayrshire herd dispersal sale held at the Robert Campbell farm in Narvon.

Earl Keefer and Donald Shetterly of Millersburg had last bid on the 6-year-old, who presented them with a Meredith Liberator son the following day. The cow has records to 24,800 pounds of milk and 862 pounds of fat.

According to sale manager Milt Brubaker, Campbell's herd was dispersed to 30 buyers from Pennsylvania, Ohio and New Jersey. Averaging $992 per head on 68 head, the sale began with bidding at a brisk pace and maintained the tempo throughout the sale, Brubaker reported.

Grantville breeder Christ Seaman paid $1,550 for a 4-year-old Hi-Kick grandaughter. Mary Schrantz of Ephrata paid $1,310 for an outstanding fresh heifer out of a dam with records to 17,800 pounds of milk.

Lancaster County Ayrshire breeder Warren Schmuck added eight head to his Pinelane herd. George Futhey of Woodward was high volume buyer, taking 11 head for $9,560. Among Futhey's purchases was a Hi-Kick granddaughter with an 18,300 pound milk record and third high in the sale at $1,440.

Among those buying animals for their 4-H or FFA projects was Wesley Harding, Jr. of Lebanon. Harding paid $1,275 for a fresh heifer, which he plans to show at the upcoming Pa. Farm Show. — DT

Glenn to speak at AFBF meeting

PARK RIDGE, Il. — U.S. Senator John Glenn (D., Ohio) will speak at the morning general session of the American Farm Bureau Federation's 64th annual meeting in Dallas, Tex., Monday, Jan. 10, 1983.

Glenn's career encompasses military service, astronautics, private business, civic activities and politics. He is known worldwide as the first American to orbit the earth back in 1962 as a participant in the U.S. space program.

This native Ohioan began his second term as a U.S. senator in 1981, following re-election by the largest vote margin in any election in Ohio's history.

Currently, Senator Glenn serves on the Foreign Relations and Governmental Affairs Committees, as well as the Special Committee on Aging. He also is one of eight Democratic senators comprising the policy objectives for all Democratic senators.

Glenn retired from the Marine Corps in 1965 after serving 23 years and achieving the rank of colonel. While in the military, he received numerous decorations and citations for his service during World War II, the Korean conflict and in the space program.

After his military service, he entered private business with the Royal Crown Company. Glenn served first as vice president of corporate planning and then as president of Royal Crown Cola International.

Glenn is married to his childhood sweetheart, the former Anna Margaret Castor. They have two adult children, Lyn and Dave.

Preceding Glenn's speech at the Dallas convention Center Arena will be the annual address by AFBF President Robert Delano.

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Pest control strategy uses insect viruses

UNIVERSITY PARK — Scientists at Penn State are experimenting with insect viruses, finding ways to combine them with chemical pesticides.

The viruses attack caterpillars, the larval stage of lepidopteran pests, but do not harm beneficial insects, declared William J. McCarthy, plant pathologist in charge of this research at Penn State's Agricultural Experiment Station.

Research to combine insect viruses with chemicals has been spurred by concern for chemical toxicity and the cancer-causing potential of pesticides, he said. Equally important, many caterpillar-type pests are becoming resistant world's lepidopteran species, he commented.

As planned, the pesticide combinations will contain low levels of chemicals — still capable of quick "knock down" of caterpillars — coupled with residual control of pests from viral infection.

Under a microscope the viruses are seen as rod-shaped viruses embedded in crystalline protein particles. The protein protects the baculoviruses (their correct name) from damage by heat, sunlight, and humidity.

The caterpillars become infected by eating a virus that has been sprayed on a crop. When insects die and decompose, the virus becomes distributed over other foliage and soil, thereby providing more virus for pest control purposes.

McCarthy indicated that over 300 baculoviruses have been isolated from some 250 insect species of importance to agriculture. Several formulations of viruses have been registered for use in biological pesticides by the Environmental Protection Agency. Included are baculoviruses attacking the gypsy moth, cotton bollworm, and tobacco budworm.

"Chemical pesticides will remain a significant part of pest management programs since baculoviruses alone are not sufficient at this time for adequate control" McCarthy stated. "Viruses take days to bring pests under control while chemicals take effect in hours," he affirmed, adding that, "the cost of using baculoviruses alone would be too high related to the benefits."

The strategy of using insect viruses combined with chemicals has been tested in field trials on cotton, vegetable crops, and forests with generally promising results, it was noted. Baculovirus safety, effect on crops, and formulation have been discussed in several national and international meetings of scientists, Dr. McCarthy said. In general, the conclusions are that the viruses are efficient and safe.

However, more research is needed to prove that chemical pesticides and baculoviruses are efficient and safe when combined, it was noted.

"One of our research priorities is to investigate the potential of certain pesticides to alter baculorviruses," McCarthy said. "We do this by using continuous cultures of caterpillar cells to study the effects of chemical pesticides on baculovirus development and stability."

He mentioned Penn State studies showing that a synthetic pyrethroid, a common type of pesticide, had no effect on stages of virus development. However, two other prominent pesticides, and organophosphate and a carbamate, restricted virus development at certain stages.

Several field studies on cotton in the South and Southwest tested the combined effects of a synthetic pyrethroid and a virus known to attack the cotton bollworm. This pesticide-virus combination gave equal or better results than any other treatment.

The research has been supported by grants from the Environmental Protection Agency and the Jessie Smith Noyes Foundation.

Plan winter feeding program to keep costs down

UNIVERSITY PARK — Profitable dairy feeding programs are built around forage supplies and supplemental feeding of grains. Now that the cropping season is over, it is time to plan a feeding program for the non-cropping season, says Sam Dum, Penn State Extension farm management specialist.

Frequently, dairy farmers go into the non-cropping feeding period without any definite plans of how to control the use of available forage supplies, says Dum. As a result, some dairy farmers find forage supplies exhausted before another cropping season. Carrying out a feeding program requires the purchase of hay and possibly additional grain which in many cases result in less profitable feeding programs.

In some situations farmers restrict feed to cut costs. This results in reduced milk production and reduced net returns, warns Dum. With proper planning early in the non-cropping feeding period for the use of available forages means more flexibility in purchasing needed forage or grain and for adjusting feeding rates, explains Dum.

The first step in planning a non-cropping feeding period is to inventory the quantity and quality of different kinds of forages available to feed. Then determine how to control the use of available supplies so that at least required minimum forage feeding levels are met over an entire feeding period.

For extended periods of 3-4 months, milking cows should receive two pounds hay equivalent daily per one hundred pounds body weight — for a shorter period of 100 days or less it could be restricted to 1.5 pounds. Dry cows should receive 1.8 pounds hay equivalent daily per 100 pounds body weight.

When several kinds of forage, such as hay-crop and corn silage, are available, plan the daily feeding rate of each so as to stretch the total supply over an entire feeding period, says Dum. Also feed several different hay cuttings daily so that the quality of hay fed will be more uniform during a feeding period.

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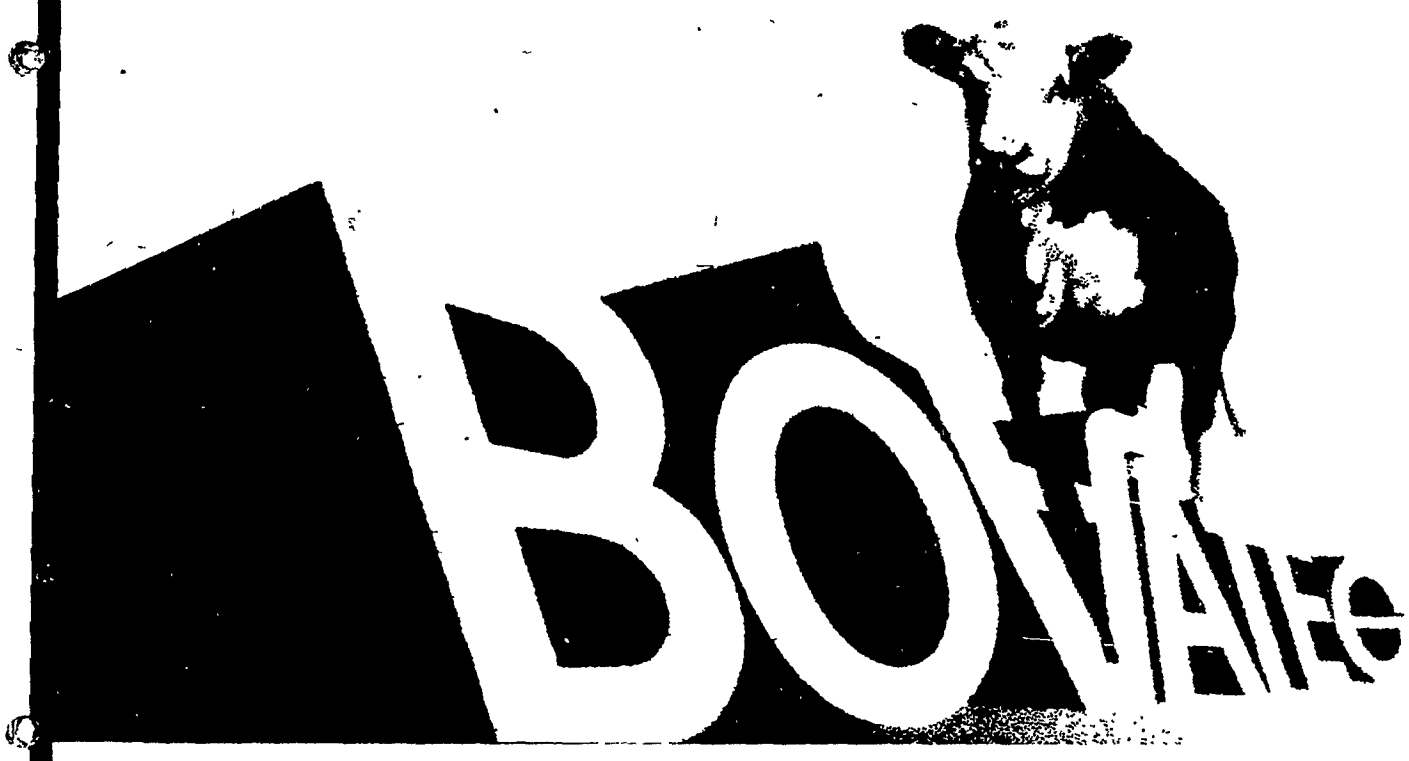

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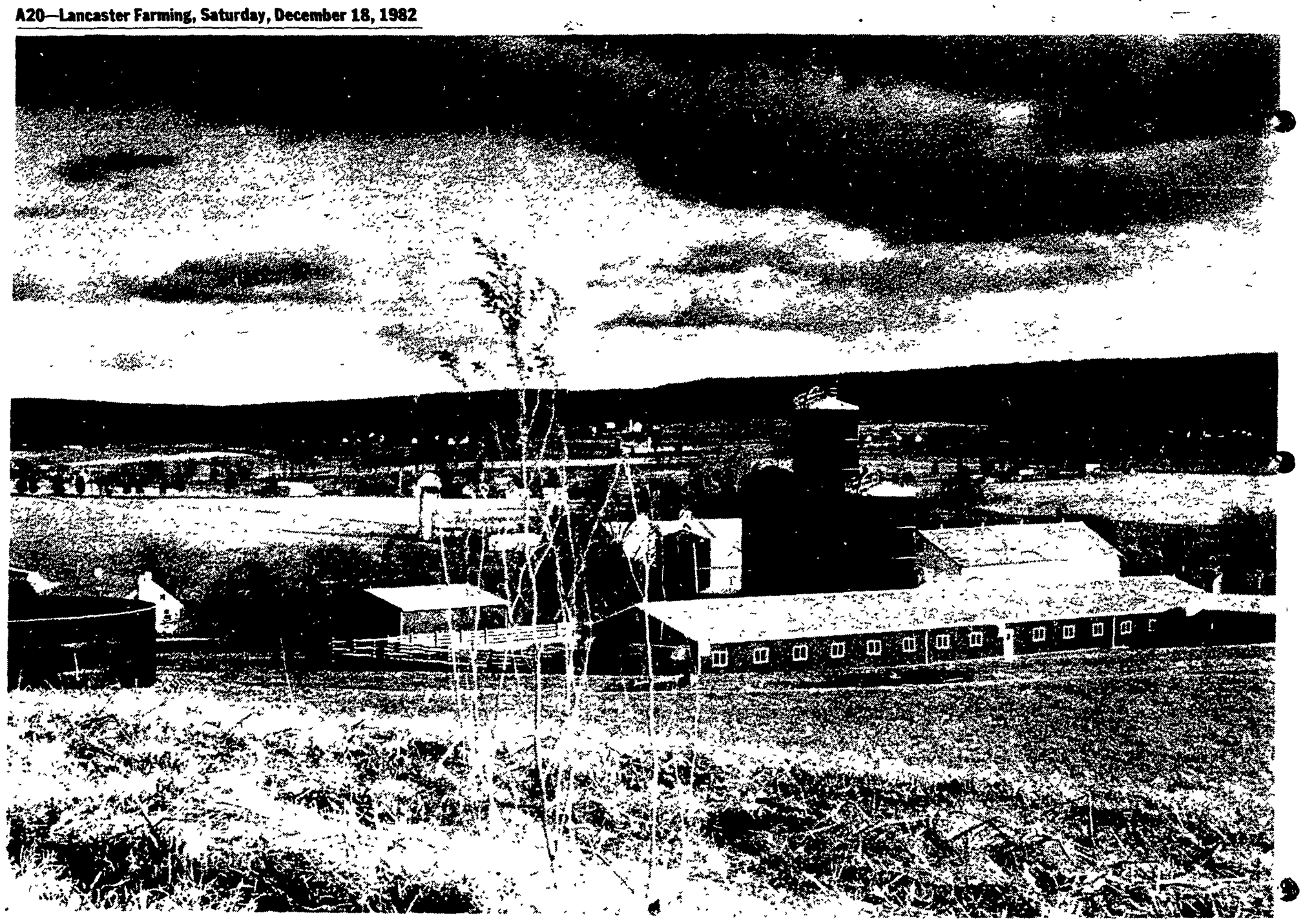

He's one of the 'emerging new dairy breed'

BY DICK ANGLESTEIN

FROGTOWN — He's what might be called the new breed of dairyman.

He was born and raised on the farm. It's in his blood, but it's not in his blood to the extent of unduly influencing his emotions or his mind.

He's done other things, too – like selling real estate and construction in Boston.

His wife has an entirely separate off-farm professional nursing career and he's supportive of it in every way he can.

As a fourth generation on the family farm and with the rural blood flowing through his veins, he approaches the new and expanded dairy operation with his feet solidly planted on the ground and his mind alert to the present status of the dairy business.

D. Martin Zimmerman and wife, Leila, next to commemorative plaque on new cow barn.

Loren Zimmerman, left, talks with brother, Dale, in new barn on family farm east of Blue Ball.

He's 35-year-old Loren L. Zimmerman, R2 East Earl.

The family's expanded dairy operation is just now in the final stages of development, with an open house scheduled at the "Zimhaven" operation along Rt. 23, about a mile east of Blue Ball on Wednesday, December 29.

The expanded operation, which features a familial blending of the third and fourth generations of the Zimmerman family, is one that is emblematic of the new wave of dairy operators, who will be wrestling with their industry's problems and shaping its future in the years to come.

Loren's parents, D. Martin and Leila Zimmerman, retain ownership of the farm and have financed the rather substantial exapansion.

Loren is building the herd and managing the operation. Younger brother, Dale, 21, is working in the operation and just last week bought his first heifer at the Golden Harvest Sale.

"This is a business and like any business needs a profit to survive," Loren explains.

"I don't like to get up early every day anymore than anyone else. But we'll do what it takes to make this operation a success."

But as you talk to the tall, solidly built, bearded dairyman, you still detect a proud heritage deeply set in rural roots, which – while not dominating his businesslike approach – will still cast its influence on its operation.

You just gotta look around to see that, like others, the Zimmerman operation has a two-fold thrust – milk to pay the continuing bills and breeding and merchandising to provide the extra.

The three-inch milk and vacuum lines show they expect to be milking some heavy producers in a new barn with 73 tie-stalls. The herd already has some "real wet black and whites" with credits up to 145 lbs. a day.

"We have the basis of two good cow families here," Loren said.

"We'll be concentrating on breeding and merchandising, getting some good records and getting them classified."

The Zimmermans milk about 50 now. Loren is looking to buy a small herd privately to fill the barn in the near future.

In addition to the new barn, with Jamesway cleaner and ventilation

(Turn to Page A34)

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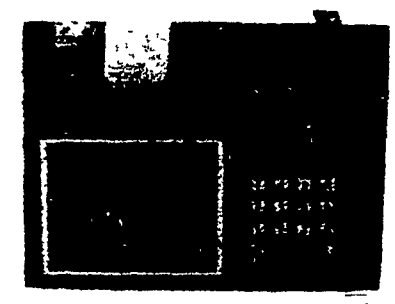

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The cow number, feed quantity and choice of rations are entered on a keyboard. The computer looks at a tag permanently fastened to the cow's I.D. rope and will allow her to eat ½ of this each 12 hour period. At the end of each 12 hour period the computer will record on tape the consumption of each animal programmed. Other time intervals are available.

SUMMARY

COW #	# FEED PROGRAMMED	# FEED CONSUMED	RATION FED TO THIS COW
001	20	20A	
002	10	10A	
003	3	3A	
004	25	25B	TOTAL FEED
005	17	17A	00075

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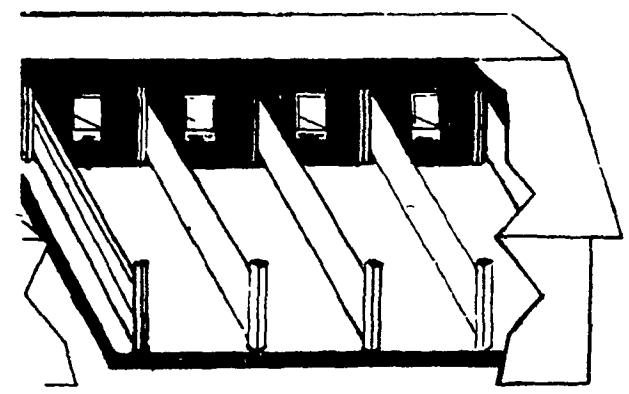

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Store farm machinery properly during winter

UNIVERSITY PARK — The machinery on your farm is your second largest investment, with costs often exceeding $150 acre.

"Except for the land, machinery is a farmer's biggest investment and should be properly stored over winter," says Donald R. Daum, Penn State Extension agricultural engineer.

Studies have shown that it now costs $200 a day to operate a 160-horsepower tractor, not including labor costs. If you need to rent a tractor it will cost you 20 cents per horsepower per hour, or $30 an hour for a 150-horsepower tractor. Even though interest rates are coming down, replacement costs are unbelievable with new combines selling for more than $100,000.

Proper care and sound preventative maintenance can reduce operating costs and prolong the life of farm equipment. Daum recommends talking to a dealer and studying the owner's manual for suggestions on preventative maintenance.

"It really pays off in the long run," he says. If you haven't already prepared your farm machinery for winter storage, he offers these tips:

- Remove oil and grease from belts and rubber tires. Reduce tension on all belt drives and remove the load from tires.
- Retract all hydraulic cylinders to keep rods from rusting. Rust will ruin rubber seals. Also, coat any exposed cylinder rods with grease or rust preventative.
- Drain all fuel from the carburetor, as well as, the gas tank of small engines, such as, lawn mowers, that won't be used for three months or more, or add a gas stabilizer to prevent gum from fouling carburetor jets.
- Diesel engines such as irrigation engines, that cannot be drained should be left with full tanks to prevent condensation and subsequent water in the fuel system. Next spring, try to use all of the fuel before refilling the tanks.
- Start and operate engines every six weeks for 15 minutes or longer this winter. This will evaporate accumulated moisture, re-oil they cylinders and recharge the batteries. Batteries may freeze and crack if left uncharged in cold weather.

Daum says that farmers can reduce repair costs by as much as 25 percent and increase life by 25 percent by storing equipment inside a machine shed.

USDA targets trade office for Saudi Arabia

JIDDA, Saudi Arabia — Under Secretary of Agriculture Seeley G. Lodwick recently announced a U.S. agricultural trade office will be opened here early next year to service this fast-growing market for American agricultural products. "Saudi Arabis is one of the most rapidly expanding markets in the world for agricultural products," said Lodwick. "Total agricultural imports now exceed $6 billion a year, six times larger than five years ago. Exports of U.S. farm products to Saudi Arabia have expanded rapidly in recent years, from $32 million in 1971 to nearly $500 million last year."

USDA analysts project that potential exists to double U.S. exports to more than $1 billion annually within the next two years, he said.

"Despite the substantial increases in sales to Saudi Arabia in recent years," said Lodwick, "the U.S. share of total imports has decreased from 20 percent of the total 10 years ago to less than 10 percent in the last year.

"Establishing a trade office here will give us an opportunity to reverse this decline through trade servicing and promotional efforts in cooperation with nonprofit U.S. commodity trade associations," he said. These organizations develop markets abroad under continuing agreements with the U.S. Department of Agriculture's Foreign Agricultural Service as market development cooperators.

Lodwick said the trade office also will provide a wide range of assistance to state and regional export marketing groups, private food manufacturers and exporters.

The dollar earnings from principal U.S. agricultural exports to Saudi Arabia last year included rice at $154 million; wheat, $55 million; flour, $40 million; meats, $29 million, fruits, $22 million; soybean meal $17 million; poultry, $15 million; and corn oil, $15 million.

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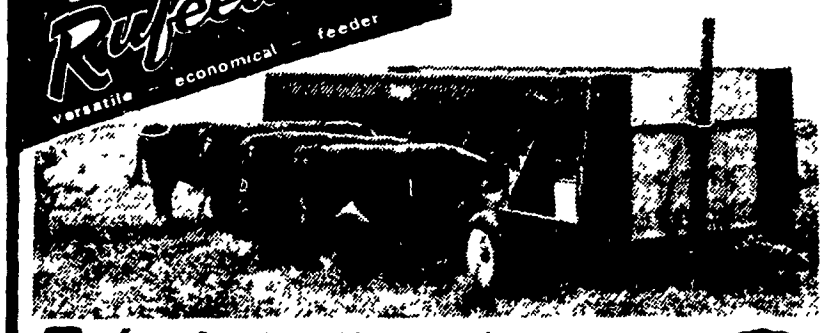

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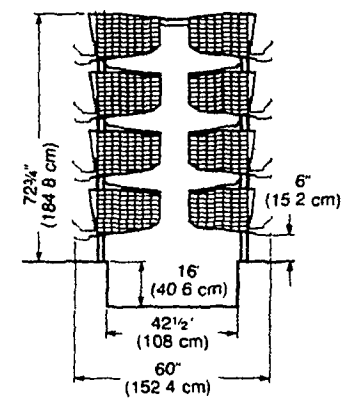

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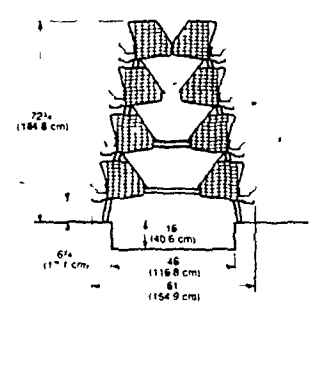

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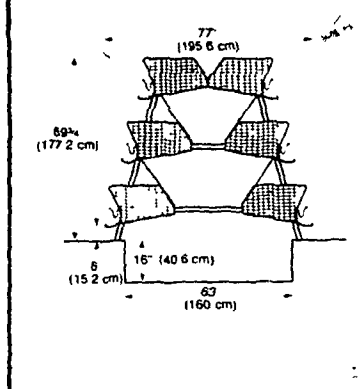
6 or 7 Birds/Cage



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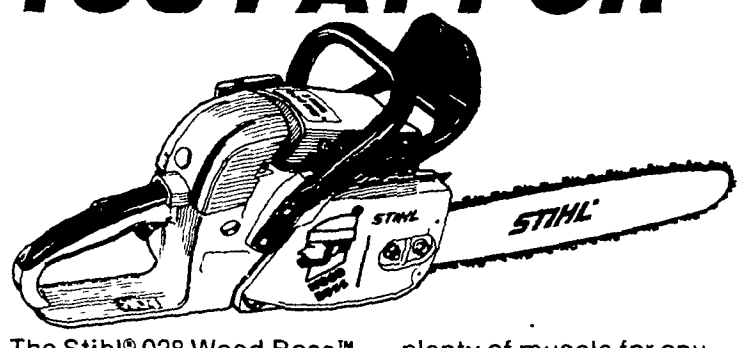

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550	4'0"	6'0"	7	751	241.00
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1,000	4'0"	10'8"	7	1,129	358.00
1,000	5'4"	6'0"	7	1,028	333.00
1,500	5'4"	9'0"	7	1,388	447.00
2,000	5'4"	12'0"	7	1,735	546.00
3,000	5'4"	17'11"	7	2,432	736.00
4,000	5'4"	23'10"	7	3,130	929.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
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8,000	8'0"	21'6"	1/4"	6,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
12,000	10'6"	18'7"	1/4"	7,900	2690.00
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280	36½"	5'	12	280	65
1,000	5'4"	6'	7	827	75 to 100
1,500	5'4"	9'0"	7	1,388	75 to 175
2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500
12,500*	10'	21'6"	1/4"	8,100	1375
15,000*	10'	25'8"	1/4"	10,200	1650
20,000**	10'6"	31'0"	5/16"	15,105	2900

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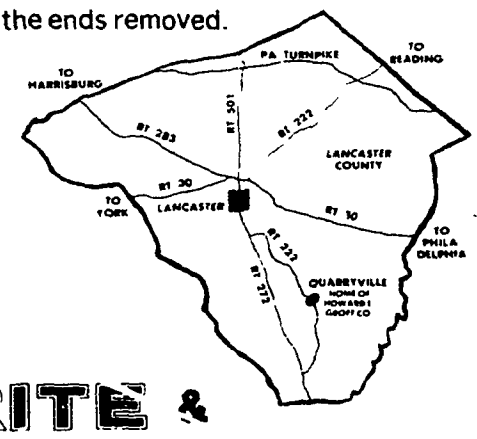

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ADA promotes Griffith

SYRACUSE, N.Y. — Shirley Griffith of Syracuse, New York has been named as Director of Dairy Food Publicity of American Dairy Association and Dairy Council, Inc., said Ralph L. Lindsey, Jr., ADA&DC Executive Vice President.

As Director of Dairy Food Publicity, Mrs. Griffith will supply dairy food information and recipes to media, supermarkets and to consumers.

Griffith is a native of Syracuse, a graduate of Central High School and Central City Business Institute.

Before joining ADA is 1977 as assistant to Donna Yousey who recently retired as food publicity director, Griffith worked eight years as administrative assistant to the minister of Unity Church in Syracuse.

She and her husband Dan, reside in Liverpool.

Keystone Cornucopia ready for second celebration

CAMP HILL — The Pennsylvania State Council of Farm Organizations is sponsoring the second annual Keystone Cornucopia on Jan. 24 here at the Penn Harris Motor Inn, located along Routes 11 and 15.

More than 500 farmers, legislators, congressmen and government leaders joined in the first "All Pennsylvania-Produced Foods" banquet last January, and an even greater crowd is expected to be on hand this year, says Bob Hodge, president.

Scheduled to begin with a social hour at 5:30 p.m., the upcoming Keystone Cornucopia will include a dinner to be served at 6:30 p.m. Speaking at the banquet will be Walt Buescher who is a retired 30-year-plus employee of Sperry New Holland.

Tickets for the agricultural event are $25 per person. For more information or to order tickets, contact Linda Blake by telephoning 717/234-5001.

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Say DER officials

Don't allow manure problems to pile up

BY DONNA TOMMELLEO

HARRISBURG — "Once upon a time, three city officials contemplated the problem of garbage removal in their small hamlet.

"One day,' a specialist approached them with a very large elephant and implored them to give the preponderous pachyderm a chance.

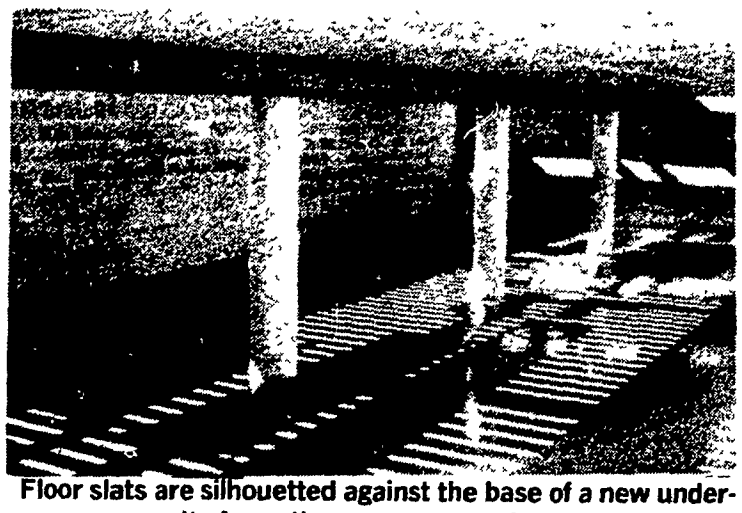
"The specialist explained that surely here was the answer to all their ills. The elephant could consume tons of garbage everyday and what's more had a life expectancy of 30 years.

"The town officials agreed to give the elephant a chance and ordered several truck-loads of garbage to be brought to the animal.

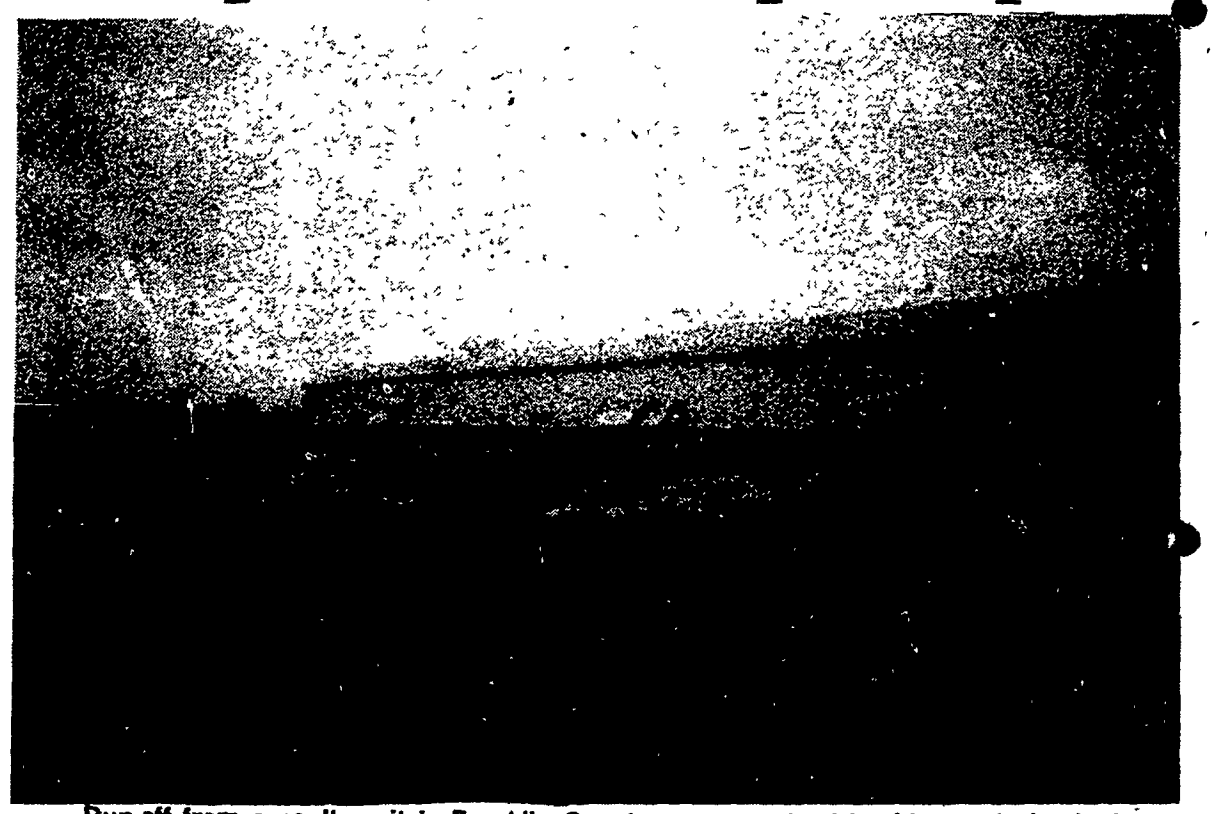
"The people stood in amazement as the voracious beast consumed load after load of garbage. Surely, their problem was solved. The day grew long and hot and eventually the officials stood behind the great beast beneath the shade of its massive hindquarters.

"It was at that point they turned their eyes upward and realized that, indeed, they had not studied the whole elephant."

This parable, composed by Coatesville businessman Norman Aamodt, spells out the need, in any situation, to stop and plan before embarking with endeavors.



Floor slats are silhouetted against the base of a new under-barn manure pit. An optimum concentration of animals are needed for a well-maintained topside. Below barn level, manure must be diluted and the mixture must be agitated prior to removal by pumping.



Run-off from a poultry pit in Franklin County was contained in this rough, banked holding area. However, when the rains came, tremendous breaching occured. Ultimately, the poultry run-off entered ground water and contaminated three neighboring wells.

And three gentleman with the Department of Environmental Resources couldn't agree more.

Regional officals Lee Yohn, Stephen Dale and Randy King have seen first hand what can happen with manure systems when farmers neglected to "study the whole elephant."

The three men, who prefer to serve in an advisory capacity for waste management, also wear another hat — that of environmental watch dogs.

"We'll work with farmers. We're more than willing to sit down and talk options," Yohn says.

His colleague King, emphasizes the need for farmers to treat manure as a valuable resource.

"They pay to feed, so they should at least get some return," King notes.

Currently, four laws exist which regulate manure handling, say the DER officials. Farmers are subject to comply with regulations for air pollution, solid waste, clean streams law and the fish law.

So amid the various regs, farmers owe it to themselves to carefully plan ahead before installing a storage system.

"They should first contact their conservation district and ask SCS to survey the situation and come up with recommendations," Dale explains.

Lancaster County district conservationist Tom Johnston adds that storage facilities or other manure systems should be complemented with a complete soil erosion plan.

The use of state and federal publications, distributed through DER, the Extension Service and local conservation districts will provide guidlelines for environmentally-safe handling and storage facilities.

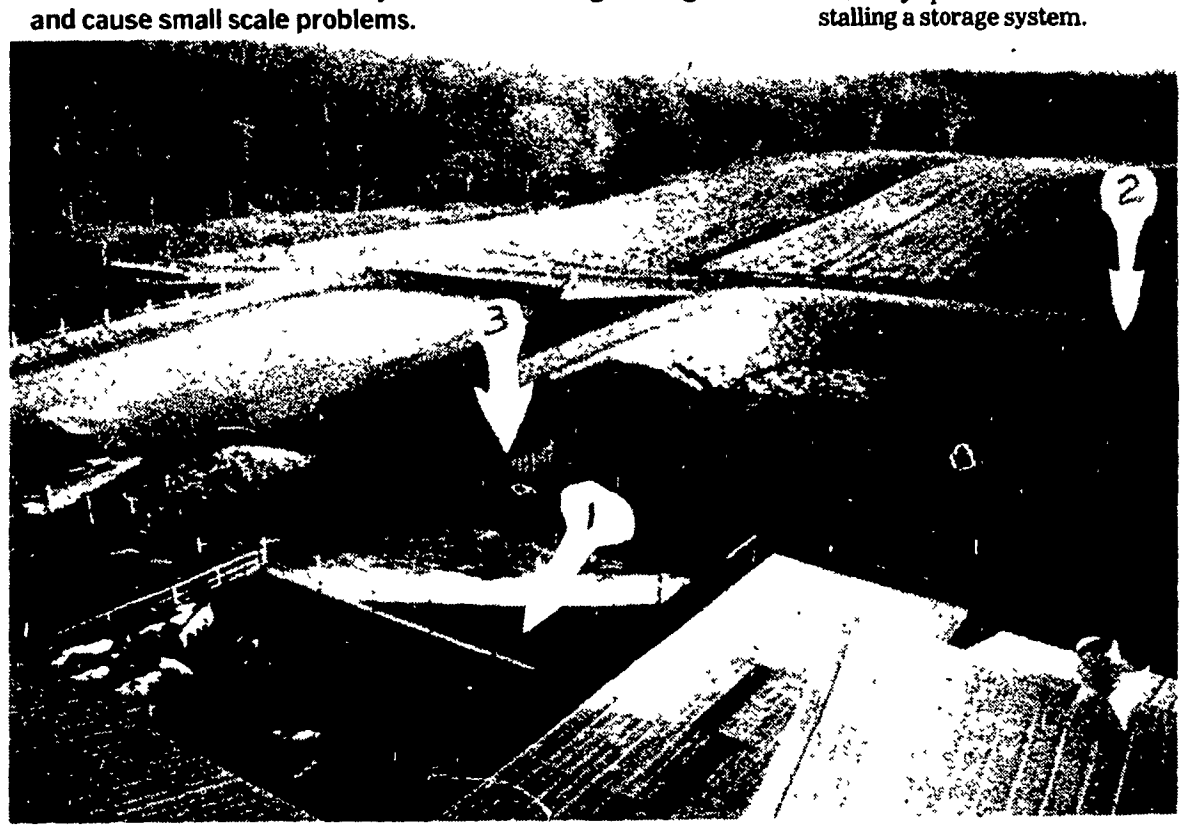
However, with all the resources available to farmers for proper planning and construction, the DER officials have files brimming with infractions, most of which deal with surface water contamination.

Take the case of a Lancaster County hog producer that stored waste in an above-ground holding tank. One advantage to a storage is the ability to spread the manure when it is most needed to fully utilize the value of the natural resource. However, the farmer allowed more than 70,000 gallons of the slurry mixture to accumulate before spreading, which occured well into winter.

(Turn to Page A-28)

According to state legislation, DER cannot require farmers to fence livestock out of streams and creeks. But DER field supervisor Stephen Dale reports that it doesn't take a large number of livestock to muddy a stream for neighboring farms and cause small scale problems.

Manure is discharged in a stream, as the arrow indicates the point of entry. The waste, which was produced by a 600-cow herd with no manure facility, is deposited in heavy solid form along the base of the stream. According to DER officials, this stream was so heavily contaminated, it could sustain no life, save for sludge worms.



This two-step manure system in southern Lancaster County is filled by gravity flow (1) from the lots and a barn cleaner extension (2). The liquid is filtered through a slotted gate (3) and irrigated into the fields. The solid portion is conventionally loaded and spread twice a year. Although this system has the capacity to store manure from the 109-cow milking herd for a year, the farm owner notes that his fertilizer costs have declined because he can spread manure when most needed.

A large Lancaster County dairy farm, with no existing manure storage, was responsible for this evident delta of manure which aggregated in the Susquehanna River, beneath a railroad bridge, say DER officials.

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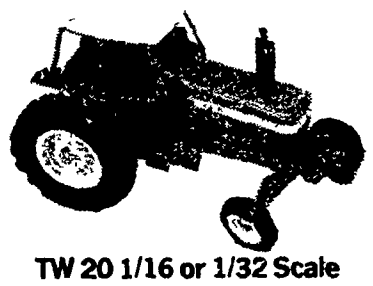
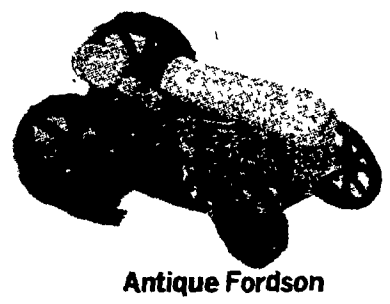


TW 20 1/16 or 1/32 Scale



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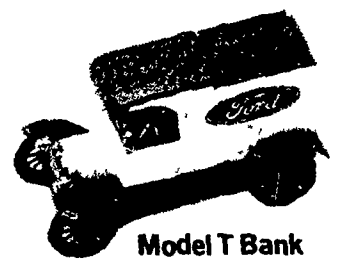

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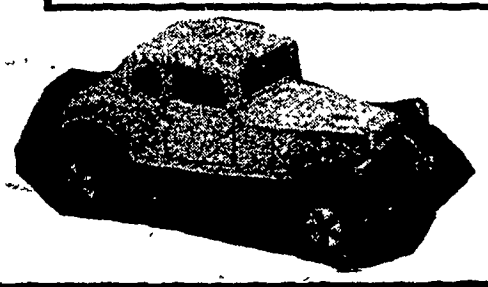

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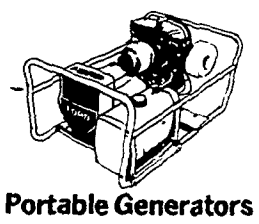

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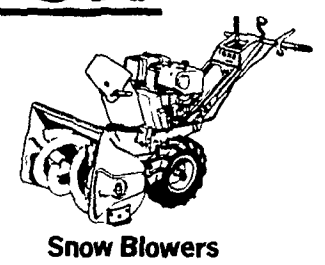

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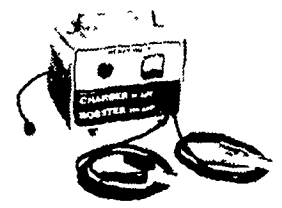

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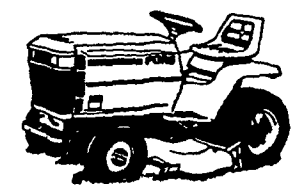

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Wilcox receives Bradford Jaycee Outstanding Farmer award

BY JANE BRESEE
Staff Correspondent

TROY - Kevin Wilcox of East Canton received the Bradford County Jaycee Outstanding Young Farmer of the Year award recently at the annual Extension service banquet, here, at the Troy Vets Club.

Kevin, along with his wife Linda, own registered Guernsey cows, and farm in association with his father, Rosa Wilcox, and uncle.

The award, given by Steve Suho and Ken Bartholomew of the Towanda Area Jaycees goes each year to a young farmer who has improved his farming practices and has contributed to local, state, and national activities.

Orville Yoder, Bradford County Extension agent, was also honored for 25 years of work in the Extension service, having begun in Bucks County in 1957 and in Bradford County in 1961. Short speeches praising Yoder were given by Jake Guffey, assistant Extension agent, and by his "boss," Ed Dieffenbach, Northern Tier Extension service director, and by Gary Green, chairman of the Bradford County Extension Executive Committee.

Yoder took all the 'plaudits' in good humor and described the rocking chair he had received earlier at ceremonies at Penn State honoring 25-year employees.

Gary Green toastmaster, introduced the Extension staff including Shirley Beard, home economist who joined the staff last February; and Cathy Bakalar, nutrition specialist, presently at Penn State working for her Master's Degree in nutrition.

Bradford County Commissioner Franci Douglas, was thanked for the new headquarters the Extension service moved into last September. The headquarters was formerly an old elementary school which the county remodeled with offices and a meeting room.

Kevin Wilcox and wife Linda, center, were awarded the Bradford County Jaycee Outstanding Young Farmer award at the annual County Extension banquet, in Troy, recently. The award was presented by Jaycees Steve Suho, left, and Ken Bartholomew, right.

Bradford County Extension agent Orville Yoder was honored for 25 years of service to Extension at the recent Bradford banquet. With him are Gary Green, left, president of the County Extension Executive Committee, and Ed Dieffenbach, director of the Northern Tier Cooperative Extension Association.

The featured speaker was Steven E. Jacquith of Williamsport, a forest-manager of Forecon, Inc., consulting firm established to assist private landowners to manage their forest for increased productivity. The firm conducts forest appraisal for buying, selling, prepares timber production plans, recreational developments, and watershed protecting.

Jacquith illustrated his talk with slides showing the right and wrong ways of timber management.

In phase two of his presentation, he told how Forecon helps people negotiate leases for natural gas drilling by helping them locate proper drilling sites and supervising waste products disposal.

Election for two new directors to replace retiring directors Jeff Hale and Robert Taylor, were conducted and the 60 people present selected Dale Allis and Ronald Butts for the six year term.

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On anti-dumping petition

Mushroom growers get favorable decision

KENNETT SQUARE — Almost at the same time the nation's mushroom growers were recoiling from the blow President Reagan dealt them when he refused to restrict Chinese mushroom imports two weeks ago, another government board passed a decision that might go a long way in helping the desperate growers in the United States get back on their feet financially.

The International Trade Commission recently rendered a favorable decision on an anti-dumping petition filed by the mushroom industry against Chinese imports that they say are being brought into the U.S. and sold at less than fair market prices.

Actually filed by a Michigan mushroom cannery, the petition has been given full support by many, but not all, Pennsylvania growers.

According to Dick Edwards of Oxford, mushroom grower and president of the Chester County Farmers' Union, "some growers don't like the petition," but Edwards, himself, has more faith that mushroom growers will find relief through this petition than he had in efforts to achieve import quotas.

"I expected the president to turn it down," said Edwards, referring to the 406 tariff decision. "I was in Washington several times during the past two years; lobbying for the tariff, and I could see the administration wouldn't go with the quotas," he added, noting Reagan's feelings about free trade and protectionism.

With the ITC's favorable vote on the mushroom industry's anti-dumping petition, Edwards has hope that a similar decision will be made by the next leg of the the petition's journey — the International Trade Administration. For the present time, he explained, the ITA must decide whether or not to continue the investigation of unfair pricing charges.

"If they decide to continue, they'll pick a surrogate country, like Korea, and study their mushroom prices," he said. "If, after comparing these prices with those of Chinese mushrooms, it is determined that the Chinese are dumping mushrooms into the U.S. market (at less than fair market value), then that country will have to raise its prices to the surrogate country's level."

Is Edwards worried about President Reagan deciding against the nation's mushroom growers a second time? "No," said Edwards since the president "doesn't have to approve the anti-dumping petition — just enforce it." He said he expects the ITA to take action on the petition sometimes early next year.

Edwards likened the situation facing the mushroom industry to a "gas war." "If gas stations went on a gas war, the fella who sells his gas at the lowest price controls everyone else's prices. That's what the Chinese are doing to mushrooms."

If the anti-dumping petition is favorably decided for U.S. growers, Edwards predicts prices could improve by about five or ten cents a pound.

Along with support from the Farmers' Union, Edwards cited the support given to the anti-dumping petition by the American Mushroom Institute, the commodity's national organization.

Jack Kooker, executive director of AMI, explained the organization's reasons for throwing its weight behind the petition by saying, "Anything will help now that the quantitative limitations were shot down." AMI had lobbied strongly for the quotas.

New law eases estate settlement burden

HARRISBURG — Gov. Dick Thornburgh last week signed a bill he said is designed to "enhance the growth of small businesses, and help create job opportunities, by removing some of the unfair and unnecessary burdens placed upon such enterprises."

"Small businesses already know 'They've Got A Friend In Pennsylvania' but these bills are designed to further our commitment to strengthen their capabilities to compete," Thornburgh said.

The legislation seeks to avoid the liquidation of inherited small businesses and farms.

S.B. 636, sponsored by Sen. Richard Snyder (R-Chester, Lancaster) allows the inheritors of small businesses to pay inheritance taxes in consecutive quarterly installments beginning nine months after the death of the decendent at a nine percent interest rate.

"In the past, too many small businesses, especially farms, have been liquidated upon the death of a partner or family member in order to pay inheritance taxes," Thornburgh said. "This bill will help preserve such businesses so that they can continue to play an active role in our economy."

The number of installments allowed is increased from four to 20 over a five-year period following the bill signing.

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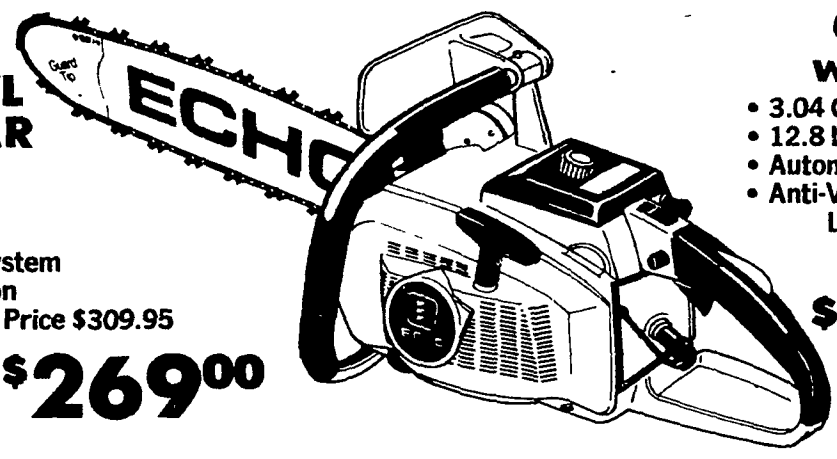

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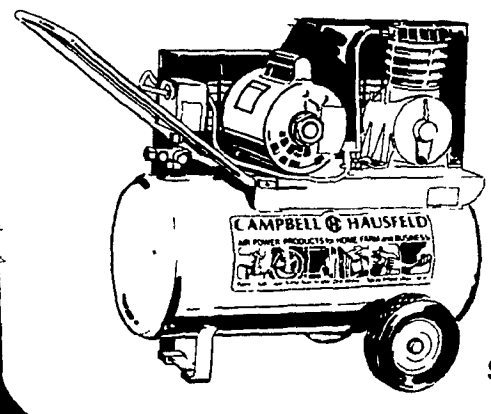

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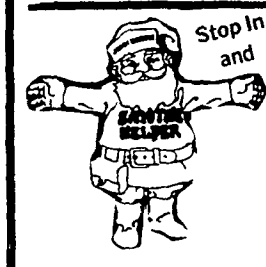

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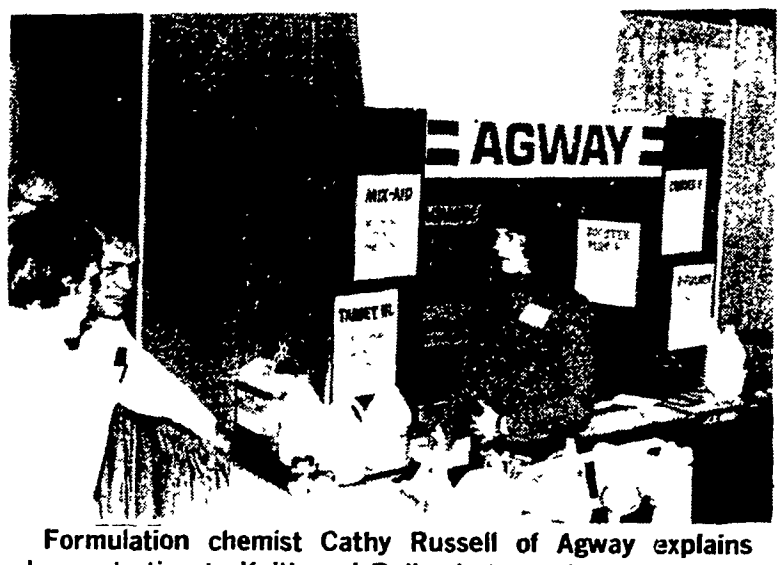
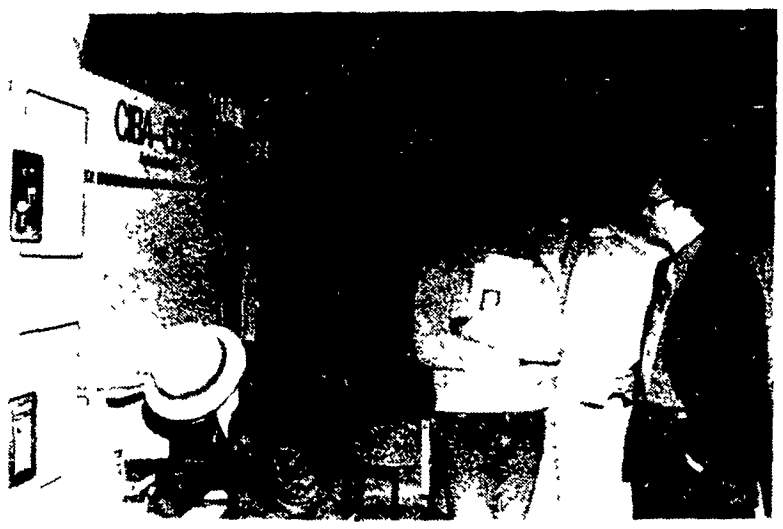
Exhibits at no-till conference draw crowd of visitors before program begins.



Formulation chemist Cathy Russell of Agway explains demonstration to Keith and Dallas Lutz, grain and hog farmers from Sinking Springs.

Russell Schantz, R1 Emmaus, and Tim Lichtenwalner, R2 Macungie, examine Great Plains drill in C. B. Hoober exhibit.



Ciba-Geigy sales rep Steve Reed, right, discusses herbicides with John Klausmeier, of Baltimore County.

Lancaster Farming booth at no-till conference is busy.

Exhibitors display their no-till wares

(Continued from Page A1)

In his discussion of problems with no-till equipment, safety expert Smith from Maryland explained that one of the major improvements in no-till planters in recent years has been depth-control packer wheels to permit uniform planting depth.

"Most problems with no-till equipment can be corrected," he said.

"Nothing beats getting off your tractor seat occasionally to check actual seed spacing and planter depth performance."

Smith gave this important advice:

"It takes an excellent conventional tillage farmer to make a good no-till farmer."

White discussed the no-till establishment of alfalfa.

Since one of the primary concerns in establishing new stands of alfalfa is the threat of soil erosion, no-till seeding is doubly important, he said.

"In addition to saving soil lost to erosion, no-till seedings conserve moisture already present in the seedbed," White emphasized.

"Less time and fuel are needed to seed using no-till methods and rocks remain below the soil surface."

Wells of Kentucky discussed nitrogen fertilization for no-till corn.

"In consideration of some of the nitrogen management practices which have shown benefit for use on no-till corn," he said, "don't forget that the likely routes of inefficiency are the same as for conventionally grown corn.

"These include leaching, volatilization, denitrification and immobilization."

It was popinted out at the conference that it is estimated that two-thirds of Pennsylvania's corn acreage is now planted with some form of conservation or no-till method.

Meade of Rutgers covered "Weed Control Systems for Full-Season No-Tillage Soybeans."

"The problems associated with weeds in full-season versus double-cropped no-till soybeans are similar in nature," he said.

"Both cropping systems tend to increase the population of perennial weeds and require increased rates of herbicides to overcome the problem of microclimate at the soil surface. These include localized pH, compacted surface with less water penetration and an increased organic matter.

Many of the university presentations were illustrated with slides of various research plots and areas.

Frank Welch, left, of Beachley-Hardy Seed Company, talks with Peter Kuziak, R2 Bloomsburg.

Manure management

(Continued from Page A24)

The combination of frozen ground and hilly terrain caused the manure to cascade downhill where it ultimately was discharged into a creek and killed fish. Enter the DER and the Pennsylvania Fish Commission. The farmer, consequently violated the Clean Streams Act as well as the PFC fish law.

The Clean Streams Act, which has the most impact on state farmers, declares that clean and unpolluted streams are essential to Pennsylvania and that it is the objective of the Act not only to prevent further pollution but also to reclaim any streams that are now polluted.

The laws states that discharge of sewage or industrial waste to the waters of the state is not a natural or reasonable use of the waters and is a public nuisance. Animal manures are defined as sewage in the law and are subject to the same regulations as other sewage.

"Waters of the Commonwealth" are defined as, "any and all rivers, streams, creeks, rivulets, impoundments, ditches, water courses, storm sewers, lakes, dammed water, ponds, springs and all other bodies or channels of conveyance of surface and underground water.."

The DER watchdogs were called in several times in the past few years to monitor and eventually rectify stream contamination caused by a large Lancaster County dairy with no storage facilities.

The farmer consulted conservationists and had a earthen bank holding area designed but delayed construction by a couple years.

Meanwhile, manure was allowed to freely enter a stream which finally discharged into the Susquehanna River. Over time, a noticable delta of manure appeared in the river at point of entry.

Water samples taken from the stream at points above manure entry and at heavy manure deposition provided a marked contrast after analysis.

According to DER officials, a clean unpolluted stream registers a biochemical oxygen demand of about one part per million and raw domestic sewage carries a count of about 200 ppm. However, the stream contaminated by the large dairy registered a much inflated count of 2,300 ppm.

Virtually all life was wiped from the stream. Randy King points out that about the only life the stream could sustain was sludge worms.

Finally, after much delay, the farmer was fined and incurred a guilty verdict from the district magistrate. The manure storage facility soon followed.

Occasionnaly, severe run-off can result in ground water contamination. Yohn, Dale and King recall the case of a Franklin County businessman who built a 60,000-layer poultry house. The house was erected on porous limestone soil, while the rest of the farm contained very little land for spreading.

A pit beneath the layer house was designed to hold manure, but inadequate disposal space resulted in an overload. To make matters worse, the situation was compounded by the lack of roof drains and leaky drinking cups.

The heavy influence of excess water caused the manure to leak from the pit and spill out on the surroundings. The farmer devised a crude but temporary facility by pushing back soil to form a wall around the spill-over. However, no thought was given to seeding the banks and strengthening the impoundment. Then the rains came.

Water and manure breached heavily from the sides and eventually found an outlet in the ground water. Three private wells were contaminated, which cost homeowners approximately $3,000 each to repair the damage. A law suit was out of the question because prior to the damage, the farmer claimed bankruptcy.

These three examples of improper manure management are not uncommon and all resulted from lack of planning.

The DER officials admit they would much rather act as consultants than watch dogs.

"I'd like farmers to put us out of business," laughs Randy King.

But until farmers decide to study "the whole elephant," King, Yohn and Dale will continue to blow the proverbial whistle.

SCSA sets 1983 meeting

ANKENY, Iowa — "Resource Information for Conservation Decisions" will be the theme of the Soil Conservation Society of America's 38th annual meeting, July 31-Aug. 3, 1983, at the Parkview Hilton Hotel in Hartford, Connecticut.

Speakers at the meeting will discuss information requirements for making conservation decisions. There will be presentations on date acquisition, information extraction, and the effective communication of information to the people who make conservation decisions.

Chairman of the program committee for the meeting is Marion F. Baumgardner, director of the Laboratory for Applications of Remote Sensing, Purdue University, West Lafayette, Indiana. Local arrangements chairman is Sherman Lewis, state conservationist for the Soil Conservation Service in Massachusetts.

A preliminary program and registration information will be available in March.

OUR READERS WRITE,
AND OTHER OPINIONS

(Continued from Page A12)

per tree, that's a whopping $25,000.

That's a high price we farmers and landowners pay so that the sportsmen and Game Commission can freeload on us for fun. They are freeloaders just as bums on the street are freeloaders. No one would accept bums to demand the housewife to have the pantries and kitchens ready and available so that they can feast anytime, but the sportsmen, Game Commission and poachers do.

I say that it is the most unjust, unconstitutional, unfair form of taxation that is imposed on the landowner and farmer that there ever was — to force us to raise and feed the deer, bear, and all the game. It's time the lawmakers stop that.

In other countries, farmers and landowners get a big share of the license money for raising the game. Not here in Pennsylvania. In fact the Game Commission has had the guts to press for legislation to make it illegal for farmers to disturb game cover or groundhog holes on their own farms; and to futher harass farmers and fine and jail those who destroy game that destroys their crops.

They want to enslave farmers to be servants to the Game Commission and sportsmen who have never thanked the farmers and landowners for the game. In fact the farmers are treated like pigs by them. I know first-hand because I was shot at and cattle and livestock were shot and killed in the past. The Game Commission never did a thing.

It's time the Game Commission pay the farmers and landowners most of that license money for raising the game; and it's time that they stick their noses out of the farmer's business and let him reduce or eliminate the game as he sees fit.

There are more deer in Pennsylvania than there are livestock and people in many countries. That's insanity. If the Game Commission will not bend, then abolish it and let the Department of Agriculture take over. The days of the Game Commission and such free-loading foolishness must not go on any further. It's too costly and there is no more room in this crowded, hungry, and energy-short world for such foolishness.

I've never made a cent from feeding wild game and neither has any other farmer. Those farmers who have cover-free and plowed-up farms have the least trouble with hunters. But while the crops are growing and until they are harvested the Game Commission robs them with the deer and game.

Paul Holawka
R4 York, Pa.

Without your help. . .

In the past year, the announcements of the Delaware Cooperative Extension Service programs have been published in Lancaster Farming. As a result of these announcements, the audiences attending the programs have increased steadily.

I wanted to let you know that I appreciate your cooperation and that this effort has greatly benefitted our Cooperative Extension Service programs. Without your help, it would be impossible to inform people in the community of what is happening. With this type of support, I look forward to continued growth of our audiences.

Deborah J. Amsden
Home Economist
New Castle County, Del.

New awareness

Dick Angelstein's series, "Farming in a Shadow," (November issues) has given us a new awareness of simple living, friendly and honest people. The unassuming Mennonites, for the first time in Lancaster County, are becoming visible and occasionally vocal opponents of this threat to their heritage.

Change is a part of all our lives, and, is often difficult. The responsibility of becoming an adult when yet a boy was so simple and uncomplicated; to witness the change of one's neighborhood as houses and industry alter forever the landscape of yesterday. These changes all of us accept, however reluctantly, as part of the progress of man.

However, when this progress has the potential to adversely impact not only the Mennonite farmers of Mr. Angelstein's series but possibly much of the eastern end of our county, it behooves us to thoroughly and cautiously explore every alternative. Landfilling is not new technology—only the terminology has changed...a dump is still a dump.

My thanks to Lancaster Farming and Mr. Angelstein for thought-provoking human interest reporting.

John A. Chute,
East Earl

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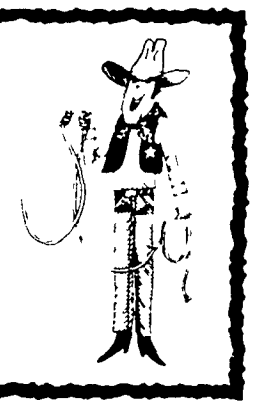

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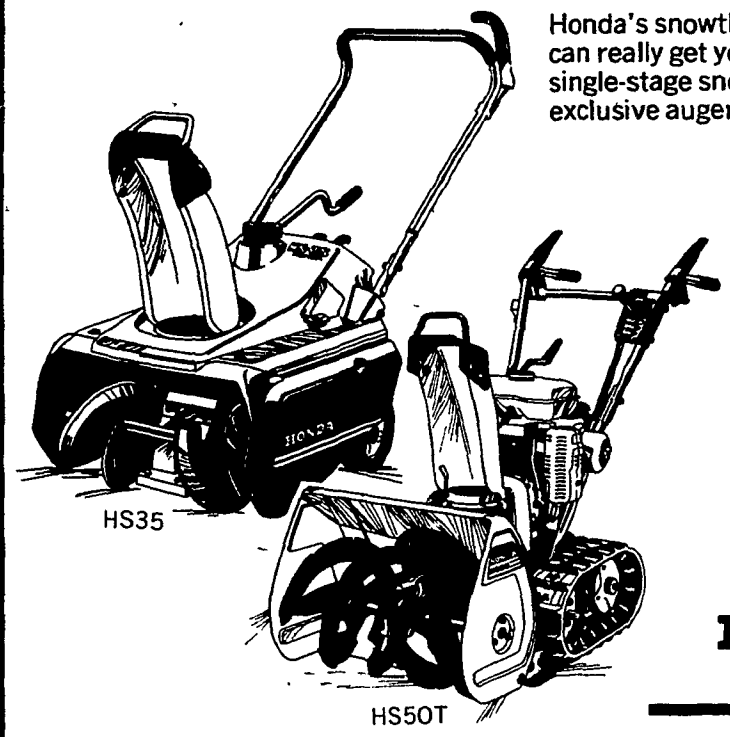

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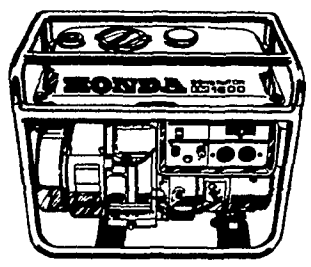

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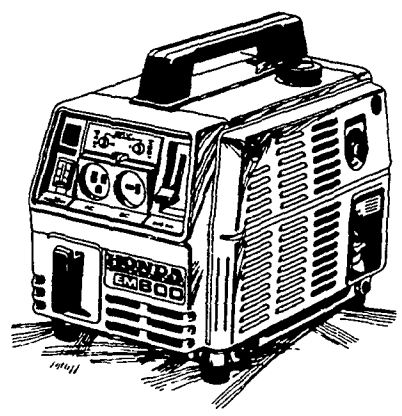

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USDA seeks comments on Md., cigar filler tobacco programs

WASHINGTON, D.C. — The U.S. Department of Agriculture has invited public comment on proposals relating to national marketing quotas for the 1983 crops of Maryland and cigar filler tobaccos. Maryland and cigar filler (type 41) are produced principally in Maryland and Pennsylvania.

Everett Rank, Administrator of USDA's Agricultural Stabilization and Conservation Service, said the law requires quotas to be announced for these kinds of tobaccos for the next three marketing years. Specific national marketing quotas for 1983 will be announced no later than Feb. 1.

Within 30 days of the announcement, USDA will hold separate referenda to determine if producers want quotas for the next three marketing years, which begin Oct. 1, 1983. If producers vote against quotas for their kind of tobacco, they will be ineligible for government price support, Rank said.

USDA announces quotas for these types of tobacco every three years. Referenda for these types of tobacco were last held in February 1980 at which time producers disapproved of quotas.

One change since the last referendum: The No Net Cost Tobacco Program Act of 1982 prohibits growers of type 32 tobacco in Pennsylvania from voting in the referendum in February 1983.

Additional details of the proposal are scheduled to appear in the December 10 Federal Register.

Before making final determinations, USDA will consider any written comments received by Jan. 10. Comments may be sent to: Director, Analysis Division, ASCS, Room 3741-S, P.O. Box 2415, Washington, D.C. 20013. Comments will be made available for inspection in Room 3741 of USDA's South Building during business hours.

Boar data influences USDA swine research

DES MOINES, Ia. — A new system for evaluating the productivity of breeding swine that is up to 62 percent more accurate than present systems has been developed by the U.S. Department of Agriculture, said geneticist Ben Bereskin, during the recent National Swine Improvement Federation's annual meeting.

Bereskin, who works for the Agricultural Research Service, said that, unlike dairy breeding programs, current pig breeding programs to improve productivity use only the records from the mother's side. His system includes productivity records from the father's side as well. The boar contributes half of the genes to piglet offspring.

Greater productivity for sows means greater litter size at birth, more pigs surviving in the litter, and heavier litter weights at weaning, said Bereskin.

The present evaluation system does not allow for such "maternal effects" as the poor nutrition of young pigs born in large litters, which may lower their chances for high productivity. Bereskin said using boar productivity records adjusts for and helps to compensate for maternal effects. In evaluating the genetic merit of young animals, the productivity records credited to both the boar and sow should be used, he said.

The accuracy of the new system can be determined by comparing an animal's theoretical genetic merit with that predicted statistically by the records of ancestors and siblings of the animals evaluated, said Kereskin.

Bereskin said that in one projection the productivity records of six daughters of the sire, supplementing those of the mother, increased the accuracy of the predicted genetic merit of the offspring by 62 percent over that predicted when only the mother's record was used.

In actual practice, Bereskin recommends that the boar have at least four tested daughters in the herd (preferably six) before using his records to supplement records of the mother in estimating the genetic merit of young males and females.

Bereskin presented practical guidelines for on-the-farm application of this new system. He said that it would be difficult to estimate how much this system would benefit farmers financially, but estimated the benefits would be substantial.

Red clover adapts to stripmined soils

ANAHEIM, Ca. — Red clover growing on marginal, acidic soils of abondoned Appalachian surface (strip) coal mines might be a key to solving some of the area's soil fertility problems, said Sara F. Wright of the U.S. Department of Agriculture and the West Virginia University.

Increasing the ability of clover and other forage legumes to grow on acidic soils could increase food and fiber production in many areas of the U.S. and developing countries, said Wright, a soil microbiologist working at the Appalachian Soil and Water Conservation Research Laboratory in Beckley, WV.

Wright said that legumes such as soybeans, alfalfa, and clover enrich the soil with nitrogen. These plants contain helpful bacteria called rhizobia in nodules on their roots. Rhizobia obtain needed nitrogen from the air and also capture hydrogen atoms from sugars in the plant's roots to make ammonia. This reduces farmers' purchases of expensive nitrogen fertilizer.

Sara Wright and her colleagues Robert J. Wright of the USDA's Agricultural Research Service and Joseph B. Morton of the West Virginia University, believe red clover grows in marginal soils partly because of surprisingly large amounts of rhizobia present in these soils.

Another factor in the clover's survival might be the presence of a fungus found in the plant's roots that extracts phosphorus from the soil and makes it available to the plant. The fungus also helps the clover increase its root surface area. This helps the plant take in more of the scarce supply of nutrients in a relatively hostile environment.

Wright said that Appalachian soils are usually acidic. Grasses and legumes generally do not grow well on these soils without substantial lime and nitrogen fertilizer. Her aim, she said, is to put together the right combination of legumes, grasses, rhizobia, and fungi so that these soils will support good stands of forage legumes and grasses with minimal use of fertilizer.

Such a development might save Appalachian farmers $25 million a year, she estimated.

Turkey checkoff begins in '83

HARRISBURG — The Pennsylvania Poultry Federation and the Pennsylvania Turkey Council have teamed up in an effort to collect voluntary contributions from the state's turkey growers.

According to a Pa. Poultry Federation spokesman, a suggested contribution of $4 per thousand birds will be collected from each producer beginning in 1983.

"At the end of each year, all the money plus interest will be forwarded to the National Turkey Federation for their important work in behalf of the turkey industry," explains John Hoffman, executive director of the Pa. Poultry Federation. "If funds exceed Pennsylvania's quota, based on annual production, the excess will be retained by the Pennsylvania Turkey Council for use in Pennsylvania."

Hoffman noted that Pennsylvania is the "only major turkey state which does not check off to the National Turkey Federation" presently.

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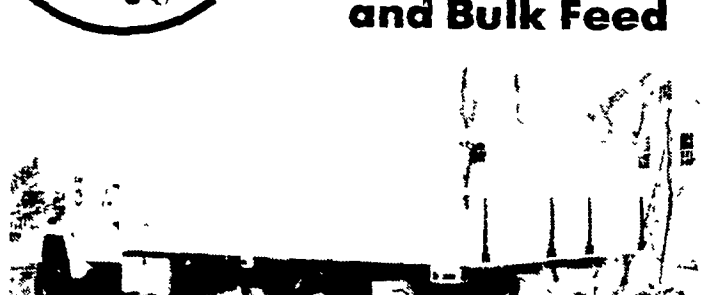

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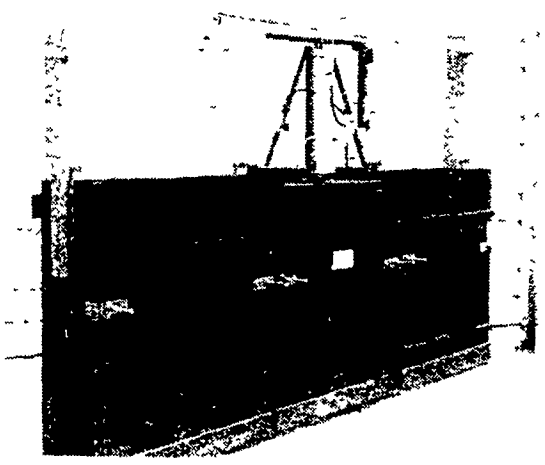

Maryland tobacco has found its way to market in the Pennsylvania area. A new method has been designed to pack this type tobacco. Size and grade of these bales are important for marketing this tobacco in the Southern States.

A baling box machine should be used which puts up tobacco in 22" bales and weigh 75 to 80 lbs. This size is very important for marketing in Southern auctions. Also lower moisture in this type tobacco is required by the Southern buyers. Cotton twine must be used to tie bales. Proper processing is important. If you have any questions about selling or handling Maryland tobacco, call the local buyers at, E.J. Parker Tobacco Co. Warehouse - Lancaster, Pa. 717-291-5588.

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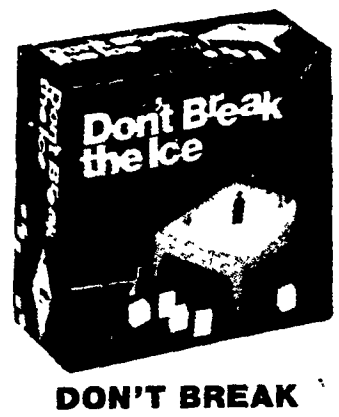

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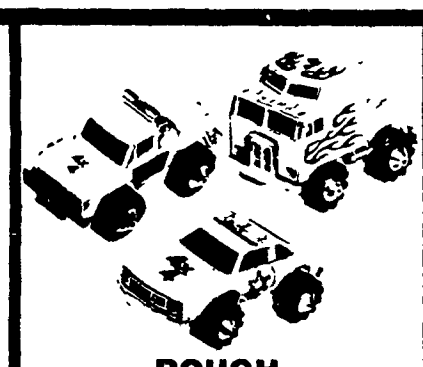

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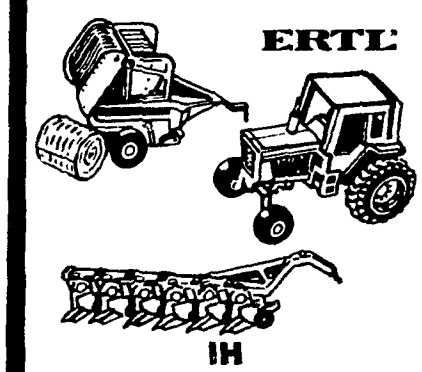

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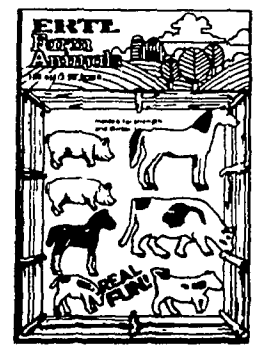

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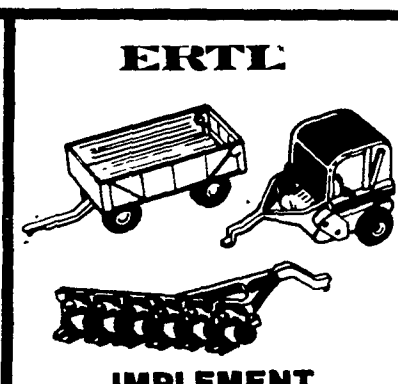

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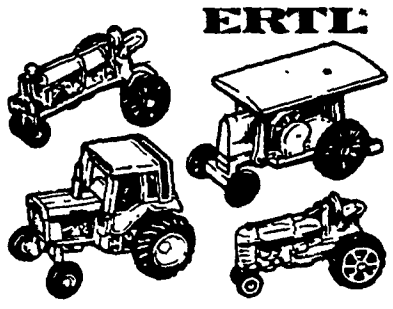

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Cut water heating, milk cooling costs

UNIVERSITY PARK — Milk can be used to save energy and money for a dairy farmer. Agricultural engineers have studied ways for farmers to use heat exchangers to draw heat from milk and heat water in milkhouses and parlors.

"the idea is not new," says James W. Garthe, Penn State Extension agricultural engineer. The concept of a heat exchanger system was researched in the mid-'60s, when electricity was a relatively cheap commodity.

"But interest has changed or developed with increased cost of energy," he says, "and heat exchangers have only been in commercial competition the last few years."

Garthe says the heat exchanger is part of the refrigeration system used to cool milk. Rather than using a fan to blow excess heat outside, these devices use that heat to warm water. Many types and models are available, with some more efficient than others.

Most dairy operations, says Garthe, use between two to three gallons of hot water per cow per day. Farmers can cut water heating cost in half by installing a heat exchanger.

Approximately one kilowatt hour heats four gallons of tap water to 140 F. A 100-cow herd uses about 200 gallons a day and pays the electric company over $2.50 a day, or over $900 a year. Half of that amount or about $450 is a welcome savings, thanks to these heat exchangers.

"The payback on these units is about three to four years, if properly sized to your herd's milk output and hot water needs," Garthe says.

Depending on the set-up, some systems can heat water in a range of temperatures — tepid enough for washing udders or hot enough for sanitizing.

To aid the dairy farmer, Penn State has developed a computer program to select the right type of exchanger for heating water. A brief worksheet will be sent to interested farmers. This service is free to all Pennsylvania dairy farmers.

For more information, write or call: Steve Spencer, Dairy Science Extension, 213 Borland Lab., University Park, PA 16802, telephone 814/865-5491.

U.S. Congress okays CFTC bill

WASHINGTON, D.C. — Less than a week following its approval by the House-Senate Conference Committee, H.R. 5447, met with passage by both houses of Congress, which extends the authorization for appropriations of the Commodity Futures Trading Commission. The bill now awaits President Reagan's signature into law.

Congress accepted the amendment offered in the Senate by Senator David Durenberger, providing for contract sanctity for agricultural exports. The amendment provides for the assured delivery of export commodities for a period of nine months, except in times of declared war or national emergency.

The bill extends the authority for funding the operations of the CFTC for four years, through September 30, 1986. In addition, the legislation includes a long list of revisions in the Commodity Exchange Act, which governs trading in futures contracts ranging from corn and wheat to contracts on financial instruments such as Treasury bills.

Among other steps, the bill would authorize the CFTC to launch a pilot program lasting up to three years for the trading of options on agricultural commodities. Upon conclusion of the pilot program, trading in agricultural commodity options could be continued if the CFTC first reports to the House and Senate Agriculture Committees that it has the ability to regulate such options successfully. (While options on metals and other commodities have been trade for years, options on agricultural commodities have been banned by law since 1936.)

The bill does not include a proposed "transaction fee" levied on individual futures transactions, which was sought by the Administration. Congress did agree on a compromise provision which the CFTC's legal authority to charge service fees for activities such as the examination of proposed future contracts and enforcement reviews on commodity exchanges. However, they did not authorize any fees beyond those mentioned in the new bill and existing law.

CFTC-SEC Jurisdiction

The bill specifies areas in which each agency will have jurisdiction. The CFTC, for example, would continue to have exclusive jurisdiction over regulation of approved futures contracts on groups or indexes of securities (so-called stock index futures), and would also control options on such futures. Before approving such index futures or options, however, CFTC would be required to consult with the SEC.

For contracts submitted to the CFTC after Dec. 8, 1972, the SEC would have power to veto approval if it believed the proposed new contract did not meet requirements set under the bill. Any board of trade whose proposal was rejected because of an SEC order could appeal to Federal courts. A related law passed earlier this year amended Federal securities law to codify other portions of the CFTC-SEC jurisdictional settlement.

Federal Regulation:

The bill strengthens CFTC emergency powers by explicity authorizing the agency to set margins on futures contracts and to set position limits in emergency cases. Authority is provided for limited judicial review of CFTC emergency-power actions. Provision is made for adoption by the CFTC of a regulatory program for leverage firms or the exas possible, but no change is made in the existing ban on the entry of new leverage firms or the expansion of leverage transactions to cover additional commodities.

The CFTC is authorized to regulate sales of foreign futures by persons in the U.S. So-called "introducing brokers" who accept orders for futures contracts to be handled by futures commission merchants would be required to register directly with the CFTC.

State Regulation:

The bill gives states new authority which could be used to attack frauds by commodity operators. For example, states would be allowed to apply any relevant federal or state law to persons who engage in illegal commodity dealing outside of regulated exchanges and the CFTC regulatory structure.

Also, states could bring actions in state courts to enforce anti-fraud sections of the Federal commodity Exchange Act against persons (but not including floor brokers or registered futures associations) registered under the Act. The CFTC could intervene in any such state proceeding, and either the CFTC or a defendant could remove the action to a Federal court.

Industry Self-Regulation:

The bill requires the new National Futures Association, an industry self-regulation group, to implement a concrete plan for its regulatory activities as directed by the CFTC. The CFTC is authorized to require the NFA and any other similar associations to take over certain regulatory activities including the registration of commodity brokers and others engaged in futures dealings.

Major Policy Studies:

The bill provides for a study, costing no more than $3 million and led by the Federal Reserve Board, the CFTC, and the SEC, with the aid of the Treasury, to assess the impact of futures and options trading on the economy, including the impact of trading on capital investment in industry and business, and to determine whether any new laws are needed to protect the national interest.

Also, the study will seek to determine what impact stock index futures have, if any, on the underlying securities and on capital formation. In a related area, the CFTC is directed to make a two-year study of so-called "insider trading" in commodity futures market.

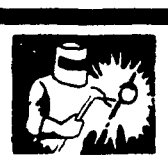
Rights of Individuals:

The bill specifically authorizes private suits to recover actual damages in futures cases. Such cases could be brought when a person suffers actual damage in a commodity future or related transaction because of a violation of the Commodity Exchange Act by another person, such as a commodity dealer, trading advisor or contract market. A related portion of the bill broadens the right of individuals to request arbitration of claims against commodity brokers.

Disclosure of Information:

The bill provides that the CFTC may withhold from public disclosure any information concerning or obtained in connection with any investigation of any person — but only during the time that the investigation is pending.

WELDING



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Wheat, barley farmers to receive deficiency payments

WASHINGTON, D.C. — Eligible wheat farmers soon will receive an estimated $475 million in deficiency payments on their 1982 crop, while barley farmers will get about $60 million, according to the Agricultural Stabilization and Conservation Service.

Deficiency payments are required under the 1982 wheat and barley programs because average market prices received by farmers during the first five months (June through October) of the marketing year were below established target price levels of $4.05 per bushel for wheat and $2.60 for barley.

No deficiency payments are required for oats as the five-month weighted average market price of $1.50 per bushel is the same at the $1.50 target price.

The deficiency payment rate is based on the difference between the established target price and the higher of the national weighted average market price for June through October or the loan rate.

National weighted average market prices were $3.34 per bushel for wheat and $2.20 per bushel for barley. Thus, eligible producers will be paid 50 cents per bushel for their 1982-crop wheat based on the $3.55 loan rate and 40 cents per bushel for this year's barley based on the national weighted average market price.

Deficiency payments will be made to wheat and barley farmers who participated in the 1982 acreage reduction programs. The payment checks will be issued through local ASCS offices.

The total base acreage for the 1982 wheat program was 90.7 million acres of which 43.8 million acres participated in the program. The total acres planted for harvest on these complying farms was 33.0 million.

For the 1982 barley program, the total base acreage was 10.5 million acres with 4.8 million acres participating in the program. The acres planted for harvest on the complying farms was 3.5 million.

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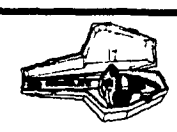

Model	Bar	Reg.	SALE
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240	16"	249.95	$214.50
Super EZ	16"	289.95	$244.50

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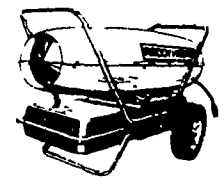

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70,000	$279.95	$229.95
90,000	$329.95	$259.95
150,000	$399.95	$359.95

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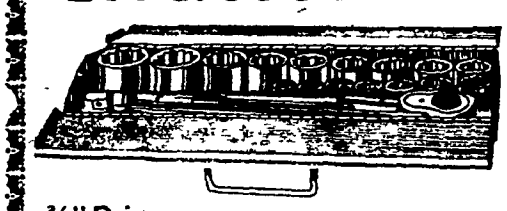

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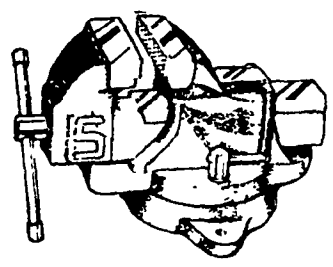

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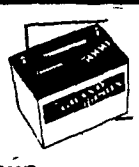

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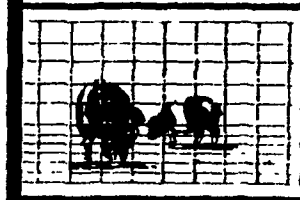

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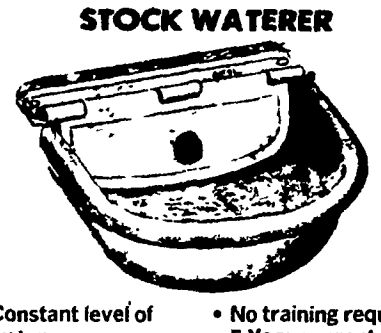

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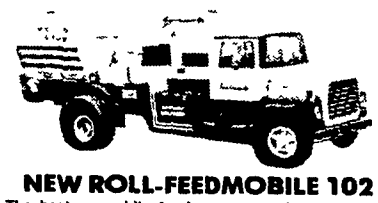

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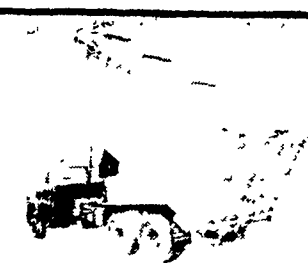

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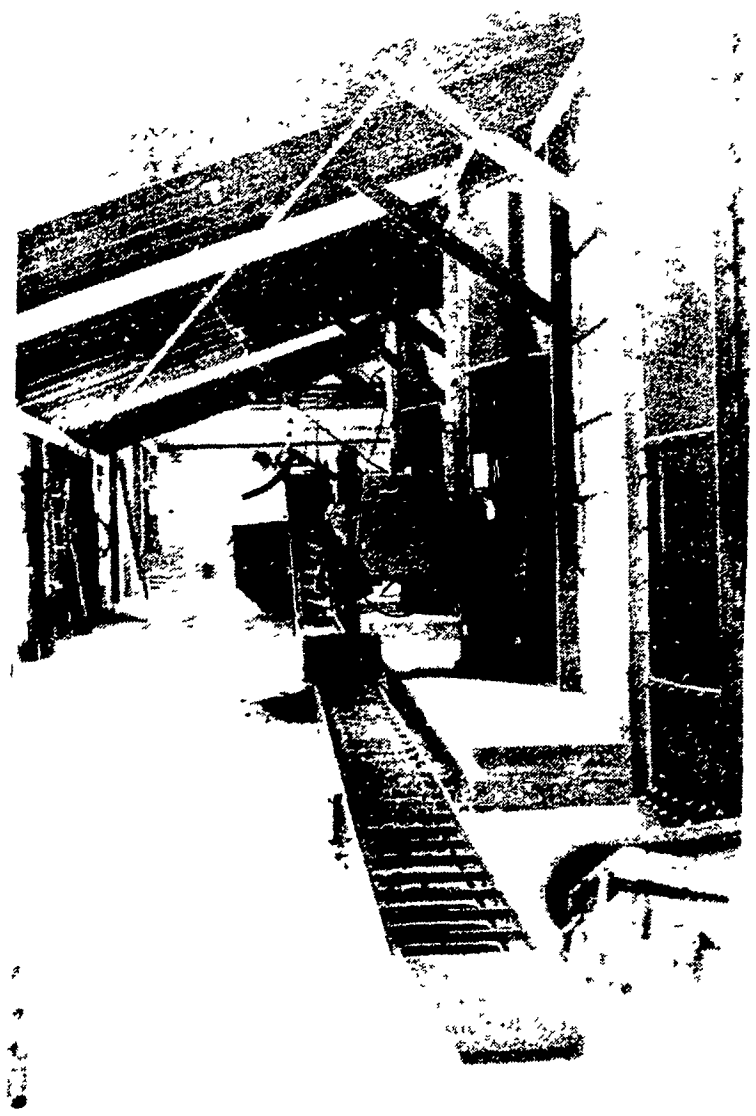
(Continued from Page A20)



Conveyor transfers feed from three Harvestores to electric wagon on Zimmerman farm.

systems, the expansion includes two new Harvestores, a Slurrystore, plus auxiliary facilities, like a new exercise lot, milk house, office and enclosed feed room.

All feeding of the milking herd is done in the barn with an electric cart, which is filled from a conveyor that leads off three Harvestores with corn silage, haylage and high moisture corn. No hay is presently fed.

The feed room just off the new barn is enclosed and permits fast and easy year-round feeding, regardless of the weather. The milkers are let out in the yard just for exercise.

The barn water, which is heated off the cooling milk, is put to two uses. The extra not needed for cleanup goes into the old 400-gallon milk tank, which is erected in an elevated position.

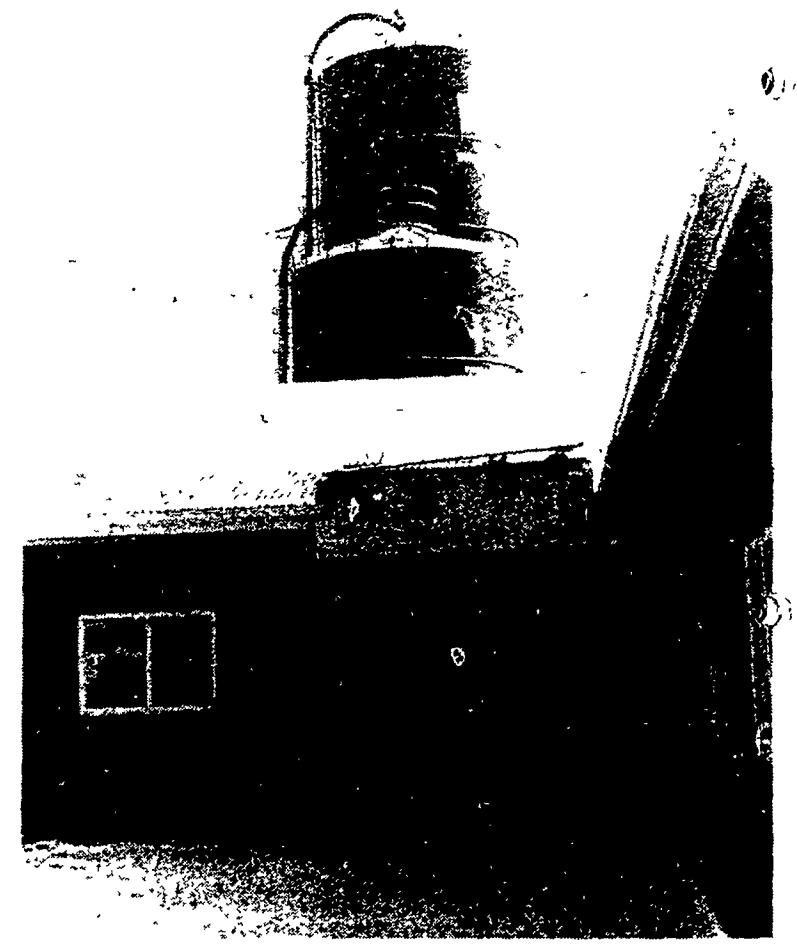
The tank gravity waters the barn with slightly warmed water which the cows are more apt to drink in the winter.

"The demands for water all come at once," Loren explains.

"It's needed for cleanup and drinking at the same time. This takes the load off the well at any one time and provides a convenient gravity flow system with slightly pre-heated water for the cows in winter."

Gutter cleaners scrape the manure into a pit outside the east end of the barn, which also collects manure scraped from the adjoining lot.

An electric transfer pump pushes it some 160 feet to the elevated Slurrystore, capable of holding six-months supply.



Old milk tank in elevated position contains warmed water for gravity flow throughout new dairy barn.

"We thought this expansion was the next logical step," said D. Martin Zimmerman.

"My father had about 25 cows and we increased it to 42 in the old barn, which is now used for heifers.

"My wife and I are very interested in the next generation continuing the family tradition here on the farm."

The Zimmerman farm dates back to 1890 when Loren's great grandfather, David, came to the picturesque farm, which has been used as a photo and film backdrop for several Sperry New Holland movies.

In 1975, the neighboring Eby farm was added. There are about 110 acres between the two. Another 70 or so are rented from Martin's older brother, Elmer.

Martin also owns Blue Ball Realty and Loren has his associate's license.

In addition to the business acumen of Loren and the desire of Martin to continue the family farming tradition, there is another element observed on the farm.

Both have that "good neighbor feeling" that is still so evident in rural areas – the final stronghold of that good-old-fashioned practice of people helping people.

Last Sunday, Harvey Stoltzfus, of near Morgantown, had a disastrous fire that gutted his barn. Fortunately, the stock was saved to every cow and heifer.

Twenty of them made their way west along Rt. 23 to be temporarily housed in the brand new Zimmerman barn.

And besides, the younger Zimmerman brother helped fight the early morning blaze.

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Pa. Vegetable Conference returns to Hershey Jan. 25-27

HERSHEY — Vegetable growers will be meeting in Hershey, Jan. 25-27 to discuss developments in planting, production and management. Outstanding authorities in vegetable production will present up-to-date details on a variety of subjects at the annual Vegetable Growers Conference and industry exhibit at the Hershey Motor Lodge and Convention Center.

Tuesday morning's program will focus on tomato production. The program includes presentations on: the direction of variety development for the Northeast, a tomato variety update, weed control, fluid drilling and direct seed equipment, tomato disease control, liquid fertilizers and a panel discussion on the economics of tomato production.

The first day's afternoon program will feature two concurrent sessions with the Pennsylvania Horticulture Society on virus and irrigation.

Wednesday will feature morning sessions on crop management and afternoon sessions on production techniques.

The morning sessions include sweet corn terminology, post harvest handling and storage, nematode damage, an update on PDA tillage project and funding for vegetable research.

The Wednesday afternoon session will feature an update on production techniques including: effects of residues on succeeding crops, promising AAS varieties, marketing potentials of specialty crops, practical uses of growth regulators, and genetic engineering.

The Thursday session will be a joint session with the Pennsylvania Horticultural Society.

The Vegetable Conference and Trade Show is sponsored by the Pennsylvania Vegetable Growers Association, Penn State's College of Agriculture, and the Pennsylvania Food Processors Association. Growers, agricultural industry leaders, Extension and research personnel from several states participate.

For more information, contact Bill Christman, executive secretary, Pa. Vegetable Growers' Association, 549 South State Street, Clark Summit, PA 18411, 717/568-1503.

Wayne Co. plans dairy day

HONESDALE — Local agribusiness and Extension Service representatives recently met to begin making plans for the 1983 Wayne County Dairy Day. A tentative date for March 17 was set.

As in the past, Dairy Day will be sponsored by area farm supply dealers, farm organizations, and the Wayne County Agricultural Extension Service. The event will be held at the Wayne County Veteran's Memorial Armory on Tryon Street, Honesdale from 9:30 a.m. - 3 p.m. Featured will be educational presentations and commercial exhibits.

In 1982, the fourth year for the big Dairy Day event, 321 persons attended representing 165 dairy farms. Thirty-seven commercial dealers and farm organizations participated.

Dairy Day exhibitors are welcome to register by contacting the Wayne County Extension Service Office, Courthouse, Honesdale or phone 717/253-5970 ext. 114.

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14.9x38, 6 ply	$224.00
15.5x38, 6 ply	$220.72
16.9x34, 6 ply	$250.00
16.9x38, 6 ply	$275.00
18.4x38, 8 ply	$364.12
20.8x38, 8 ply	$495.00
20.8x34, 6 ply	$450.00
18.4x34, 6 ply	$289.00
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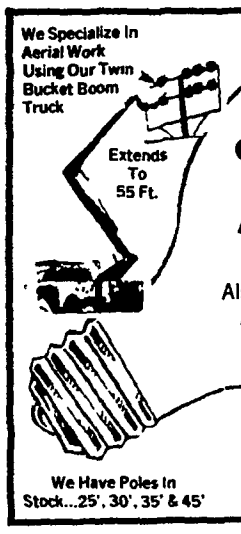

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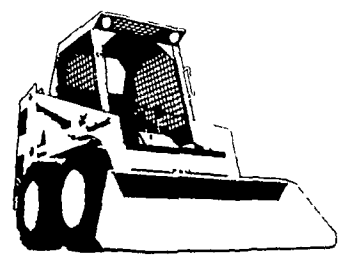

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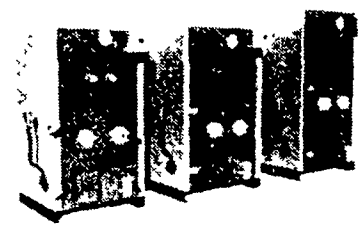

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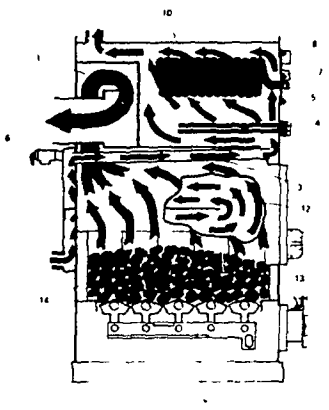

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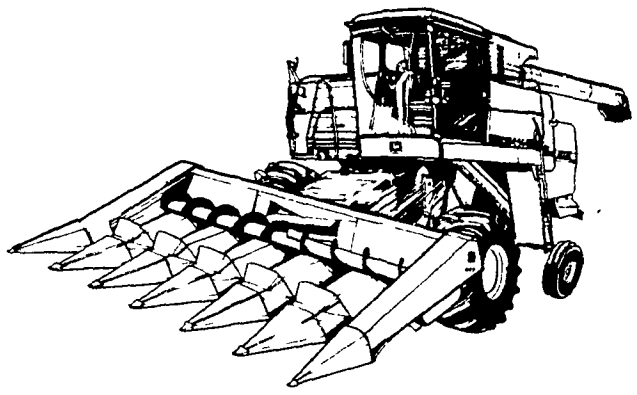

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USED TRACTORS

1 - WHITE 4-150..... Low Hours
1 - JD 4430 D ..... With Cab
1 - WHITE 2-105 ..... 1280 Hours
1 - IH 100 HYDRO W/CAB..... 880 Hours
1 - JD 3020 G ..... With Loader
1 - WHITE 2-50 ..... 1180 Hours
• With White 1730 QA Loader

TILLAGE

1 - White 7 Btm. 18" Hyd. Adj. Plow
1 - Bush Hog 1436 12' Finishing Disk w/Buster Bar
1 - JD 6 Btm. 16" Hyd. Reset Plow
1 - IH 133 3 Pt. 4 Row Adj. Width Cultivator - Like New

MISCELLANEOUS

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1 - NH 258 Rake - Like New
1 - JD 7000 Planter - Nice
1 - JD 35 Harvester w/Head
1 - 1980 Ford ¾ Ton Pickup
1 - 1974 Dodge Van

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ENGINE

- ☐ Intake System (vacuum switch operation-intake hose condition and clamp tightness)
- ☐ Air filter
- ☐ Exhaust system
- ☐ Head gasket
- ☐ Oil leaks
- ☐ Engine idle speeds
- ☐ Fuel shut-off operation
- ☐ Valve lash adjustment
- ☐ Crankshaft damper runout and condition
- ☐ Inspect water pump weep hole for signs of coolant leakage
- ☐ Check water pump pulley fan wear
- ☐ Turbo inspection

FUEL SYSTEM

- ☐ Injection pump-timing
- ☐ Check mechanical-design aneroid adjustment (if equipped)
- ☐ Nozzles and lines
- ☐ Sediment bowl
- ☐ Transfer pump
- ☐ Tank and filters
- ☐ Fuel leaks
- ☐ Throttle lever friction disks
- ☐ Make power check

ELECTRICAL SYSTEM

- ☐ Generator/alternator charging
- ☐ Generator/alternator pulley
- ☐ Starter operation
- ☐ Battery (specific gravity)
- ☐ Battery cables/ends
- ☐ Wiring harness
- ☐ Lights
- ☐ Gauges/indicator lights
- ☐ Neutral start switch adjustment
- ☐ Air conditioner operation
- ☐ Check wiper motor operation and blade condition
- ☐ Check [illegible] operation
- ☐ Check [illegible]

POWER TRAIN

- ☐ Clutch operating PSI
- ☐ Clutch lube PSI
- ☐ PTO clutch and brake (PSI and operation)
- ☐ Clutch free-play
- ☐ U-joints and guards-4WD
- ☐ Front differential-4WD
- ☐ Final drives
- ☐ Axles-outer axle seal and bearing condition
- ☐ Leaks
- ☐ Differential lock/brake pedal adjustment
- ☐ Maintenance items:
  - ☐ transmission oil filter
  - ☐ clutch oil filter (4WD @ 200 hours)
  - ☐ hydraulic oil filter (4WD @ 600 hours)
  - ☐ lubricate transmission shift linkage (4WD)
  - ☐ front differential oil (30 series 4WD @ 1200 hours or yearly)
  - ☐ transmission/hydraulic oil (1200 hours)
  - ☐ transmission breather cap
  - ☐ transmission screen

STEERING AND BRAKES

- ☐ Steering [illegible]
- ☐ Steering [illegible]
- ☐ Steering cylinder [illegible] steering hoses
- ☐ Brake operation
- ☐ Brake valve

HYDRAULICS

- ☐ Rockshaft [illegible]
- ☐ Quadrant
- ☐ Selective control valve operation/cycle
- ☐ Main pump standard
- ☐ Main pump couplers
- ☐ Main pump auto-stop
- ☐ Rockshaft valve check
- ☐ Rockshaft control lever rod adjustment

- ☐ Load control arm extension adjustment
- ☐ Lines and clamps
- ☐ Leaks
- ☐ Manual bypass valve position (if equipped)

COOLING SYSTEM

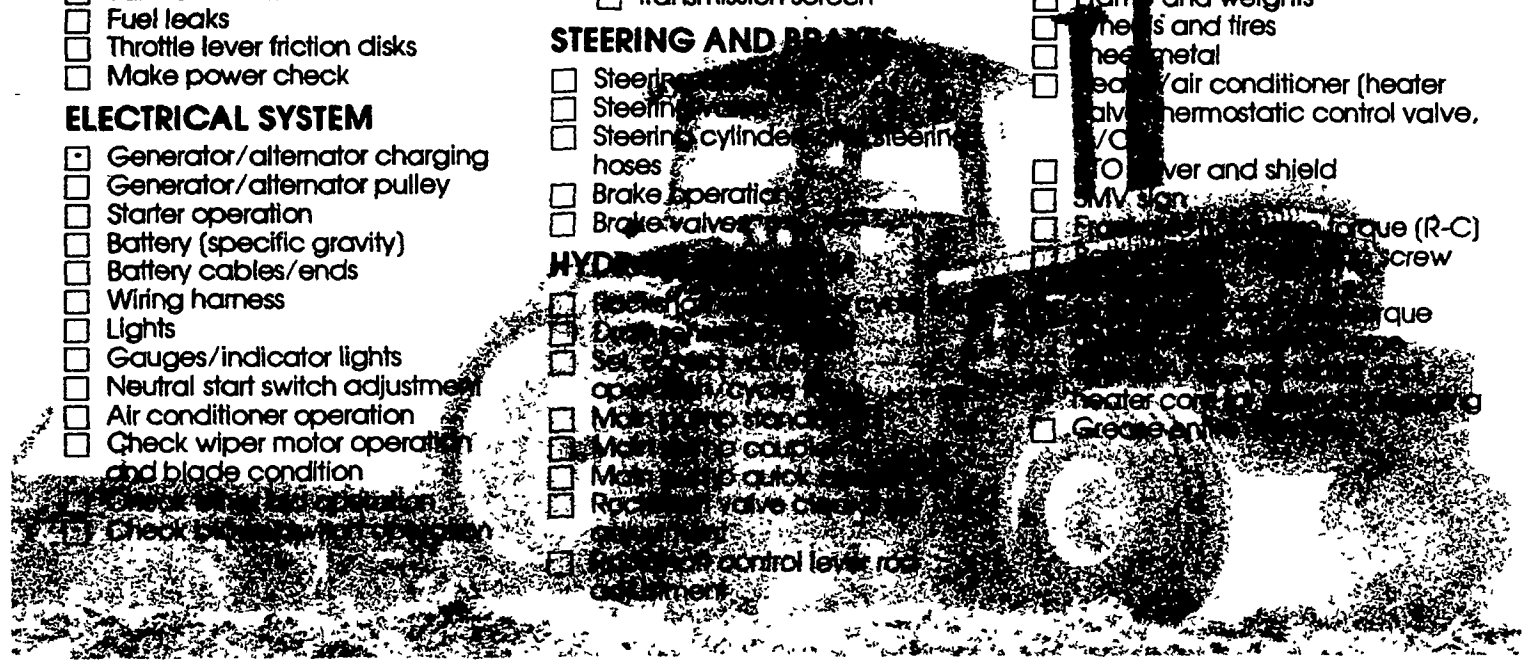
- ☐ Radiator
- ☐ Radiator cap(s)
- ☐ Fan belt
- ☐ Fan pulley
- ☐ Hoses
- ☐ Water pump shaft play
- ☐ Coolant leaks
- ☐ Coolant change
- ☐ Coolant conditioner filter change (if equipped)

OPERATOR STATION

- ☐ SGB mountings
- ☐ Seat operation
- ☐ SGB glass
- ☐ SGB filter condition
- ☐ SGB cleaner

MISCELLANEOUS

- ☐ Drawbar
- ☐ Frame and weights
- ☐ Wheels and tires
- ☐ Sheet metal
- ☐ Heat/air conditioner (heater valve, thermostatic control valve, A/C
- ☐ PTO cover and shield
- ☐ SMV sign
- ☐ Front [illegible] torque (R-C)
- ☐ [illegible] screw
- ☐ [illegible] torque
- ☐ [illegible]
- ☐ [illegible] heater core
- ☐ Grease [illegible]



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Heat water while cooling milk

UNIVERSITY PARK — The energy required for heating water and cooling milk can be reduced drastically, says Mark D. Shaw, associate professor of agriculture engineering at Penn State. The heat that is removed from milk can be used to heat water.

Well water can be used to cool the milk several degrees before it goes into the bulk tank. The milk is then cooled further by transferring the heat to the water which flows around the container the milk is in. This method requires a great deal of water.

A more economical method is to use the heat in the gas coming from the refrigeration compressor where the milk is being cooled.

Shaw says that although the second method is more practical, both methods of heating the water with the heat from the milk are more efficient than those presently used.

One way to lower milk cooling costs is by using well water to cool the milk several degrees before it goes into the bulk tank. Milk and water flow through the precooler by transferring heat to the water which is heated. Normally the volume of water used is two to three times the volume of milk cooled.

This system is economical, if there is ample water, since it takes about 30 percent less energy to pump the water than to adhieve an equivalent amount of cooling with the refrigeration compressor. However, it is not practical to collect the water for further heating to use as hot water. The warmed water is either discharged into a drain, or it can be used for stock water.

More efficient systems use the heat in the gas coming from the refrigeration compressor to heat water.

The hot gas from the compressor can be used efficiently to heat water.

A farmer near State College, shipping about 11,000 pounds of milk every other day, recently installed a new system to preheat his water with hot refrigerant.

The farmer's old system consisted of an icebank tank, cooled by a 3-horse-power compressor, and two electric water heaters.

The farmer's new system consists of a refrigerated receiver cooled by a 5-horsepower compressor, the ice-bank tank cooled by the 3-horsepower compressor, a heated storage tank which is heated by hot gas from both compressors, and a single electric water heater.

The saving of 41 kilowatt-hours per day at 5 cents per kilowatt-hour will equal $2.05 saved daily. Shaw concludes that the economics of such a system will vary, depending on the specific situation, but the additional cost for new equipment normally is paid off in 2 to 5 years. After that the savings continue indefinitely.

PRV control

(Continued from Page A1)

the next year or so. The quarantined herd owners are learning to live with the problem, it was pointed out.

It was also stressed that Pennsylvania would like to be the first state to eradicate the disease but it just wasn't seen to be possible at this time.

The session was chaired by Dr. Max Van Buskirk Jr., of the Bureau of Animal Industry.

Dr. Van Buskirk praised the efforts of the Lancaster County Task Force on Pseudorabies.

It was decided that the Task Force would continue to play a role to educate swine producers and maintain a high awareness of the need for continued vigilance and cooperation in the control program.—DA

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1982 allows the *FULL* value of the Accelerated Cost Recovery System (ACRS depreciation) and Investment Tax Credit (ITC). In 1982, you can claim up to 10% ITC without reduction of the depreciable base. Not so in 1983! For acquisitions made after December 31, 1982, the tax basis of the equipment must be reduced by 50% of the ITC claimed.

Here's a comparison: $20,000 Ford Tractor

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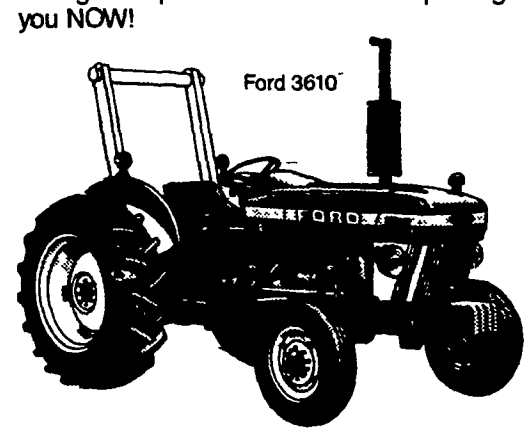
ITC...$2,000	ITC...$2,000
Depreciation basis– $20,000 depreciated under ACRS over 5 years	Depreciation basis– $19,000 depreciated under ACRS over 5 years

Take advantage of lower 1983 tax rates NOW!
Individual tax brackets are also lower in 1983 compared to 1982, so it could be advantageous for the individual to capitalize and commence ACRS in 1982, instead of 1983, when the tax rates will be less.

The countdown to 1983 is underway
The waiting game can cost prospective tractor buyers money... lots of it! The "buy signal" is on NOW! And now, more than ever, time is money, so take *some* time... but *not too much* time... to check it out twice, once with your tax advisor, then with us. Between us, we can put together a cost-saving and productive investment package for you NOW!

Ford 3610



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Potato growers vote in nat'l referendum

WASHINGTON, D.C. — Potato producers in the 48 contiguous states are voting in a U.S. Department of Agriculture mail referendum on whether to increase assessments on the potatoes they grow and amend the Potato Research and Promotion Plan.

Russ Hawes, a marketing official with USDA's Agricultural Marketing Service, said his agency mailed ballots and voting instructions to all known growers of five or more acres of Irish potatoes. Any grower who did not receive a ballot should request one from a county Extension agent.

The potato research and promotionplan, authorized by Congress in the Potato Research and Promotion Act, is financed by an assessment on potatoes handled. Producers who do not wish to contribute are reimbursed upon written request.

The proposal would authorize an increase in the maximum rate of assessment from one cent per hundredweight to one-half of one percent of the past 10-year average price received by growers, as reported by USDA. Hawes said the increase is intended to offset inflation, which has curtailed program activities in recent years.

The amendment also would provide for a public member on the National Potato Promotion Board, which works with USDA in administering the program. Reimbursement of referendum and administrative costs incurred by USDA would be provided. These changes are consistent with USDA's policy on research and promotion programs, Hawes said.

to become effective, the amendment must be approved by at least two-thirds of the voting growers, either by number or by volume of production they account for. Voting deadline is Dec. 27.

Population continues rural shift

UNIVERSITY PARK — Even small towns aren't small enough for some people, according to a Penn State study.

Past studies have documented a population shift from metropolitan to non-metropolitan areas. Now the new study, which examines only non-metropolitan areas, shows that even there people are moving from larger to smaller communities.

"This is a dramatic shift from the past, and it seems to be affecting most regions of the U.S.," says Daniel Lichter, assistant professor of sociology at Penn State and co-author of the study.

Lichter, with Glenn Fuguitt of the University of Wisconsin-Madison, used U.S. Census Bureau statistics to examine the changing character of non-metropolitan counties between 1950 and 1975.

The researchers divided non-metropolitan counties — which don't contain a city of at least 50,000 people — into two parts: urban and rural populations. Urban populations lie outside places of 2,500 people or more.

Lichter and Fuguitt found that 80 percent of the counties were experiencing faster urban than rural growth between 1950 and 1960. By 1970-75, however, nearly 66 percent of the counties were showing faster rural than urban growth.

Equally revealing, Lichter says, is that during the 1950s, urban growth rates were about 16 persons per 1,000 greater than rural areas. By 1970-75, rural growth topped urban growth by about 5 persons per 1,000.

The researchers found this pattern to hold generally true in the nation's northeast, north-central, south and west regions. The Northwest showed faster rural than urban growth as early as the 1950s.

"Improvements in transportation and communication have played a role in lessening the constraints of distance and allowing for this shift in pattern," Lichter says. "Increasing numbers of elderly people seeking less-urban settings have also played a part."

He and his colleague reported their findings in a recent issue of Demography, the quarterly journal of the Population Association of America.

"Considerably more research is needed on the consequences of rural growth," Lichter says. "In the past, we've keyed on the impact of suburbanization in metropolitan areas, but we must now look at non-metropolitan areas."

For example, he says:

— Rural growth might result in "prime" agricultural land being used for residential purposes.

— As commuters travel longer distances to work, gasoline consumption could increase, contributing to "inefficiencies in energy utilization."

— Transporting electricity to remote areas could drive energy costs up.

— There is concern that new residents will demand services that aren't available in rural communities.

"These recent population changes could have political implications as well," Lichter says. "Quite obviously, shifts of power could result."

Lichter, whose study was sponsored by the U.S. Department of Agriculture, is a faculty member of Penn State's Population Issues Research Center.

Higher farm program costs still drop in federal budget bucket

UNIVERSITY PARK — The Food and Agriculture Act of 1981, finally signed into law on Dec. 22, 1981, was intended to discourage overproduction by keeping support at minimal levels. But instead, farm program costs have escalated.

"The law was recognized as a minimum benefit program and stressed the feeling that there is a need to reduce government expenditures," says H. Louis Moore, Penn State Extension agricultural economist.

Based on conditions that existed in 1981, it was projected that the agriculture program would cost about $12 billion over a four-year period. However, conditions changed so rapidly that 1982 costs alone will probably total $12 billion, Moore reports.

Moore says that there are three major reasons for the increased costs. First, the deep recession in the U. S. economy during the past year has resulted in reduced demand for many agricultural products. Second, the strong U. S. dollar and worldwide recession has resulted in the first drop in agricultural exports in 16 years. Finally, competition among grain exporting nations has become fierce.

Moore adds that in this new "buyers market" the U. S. has lost some of its traditional sales. The Soviet Union, for example, has purchased no wheat from the U. S. during the last 12 months.

The slump in domestic and world markets has been aggravated even more by record harvests of wheat, corn and soybeans by U. S. farmers in 1982, he explains. Commodity loans, deficiency payments and payments to encourage producers to reduce planted acreage in 1983 have rapidly escalated farm program costs.

The dairy program costs have passed $2 billion for the fiscal year and Congress froze the dairy support price despite its earlier commitment to push the support price to $14.60 by fiscal 1985. Lower prices have helped make the government programs more attractive to farmers.

Wastewater film available

UNIVERSITY PARK — Septic tanks are the conventional wastewater treatment system used beyond the city limits. For most farms and rural residences in Pennsylvania, they fill the bill.

"If one septic tank fails, it is considered more of a private nuisance than a public health problem," says Karen M. Mancl, Penn State Extension agriculture engineer.

In rural subdivisions and around recreational lakes the problems are quite different. The impact of failing septic systems on public health, surface water quality, and property values can be great. The costs of correcting these problems also can be great.

To help individuals and rural communities understand alternatives before spending a lot of money, a film was produced by the University of Wisconsin. The film entitled "Wastewater Management...Options for Unsewered Areas" discusses the concept of wastewater management and presents examples of how rural areas around the country have corrected their wastewater problems.

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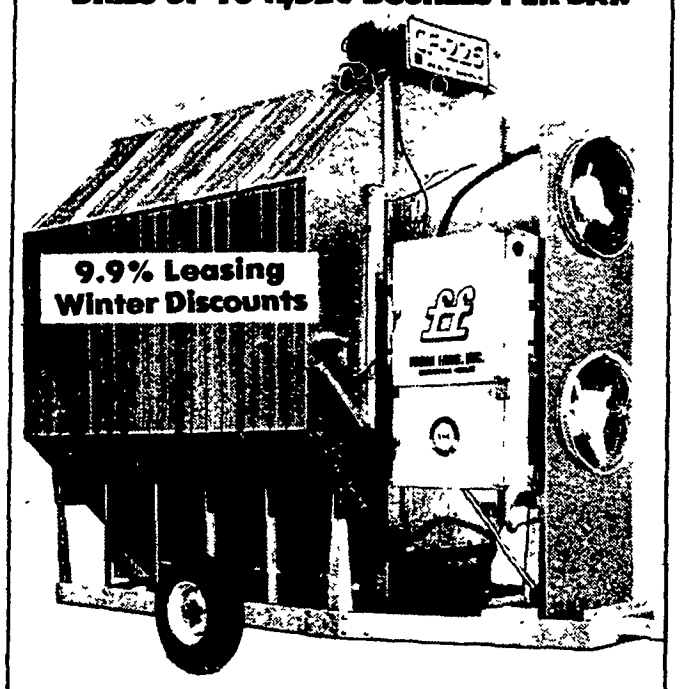

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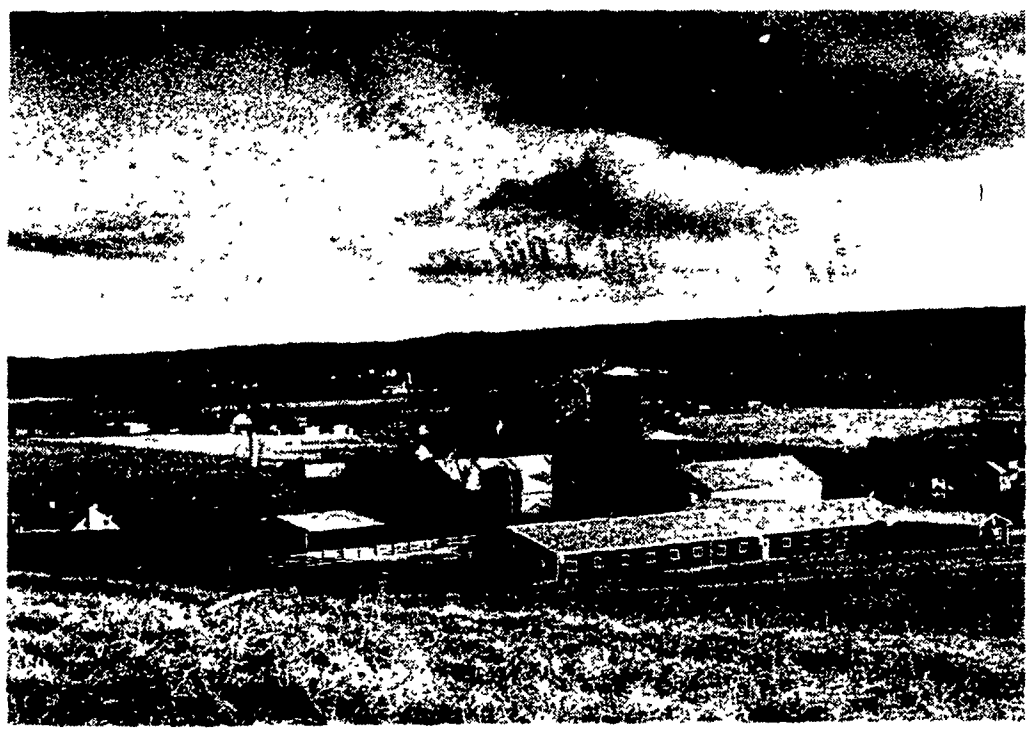
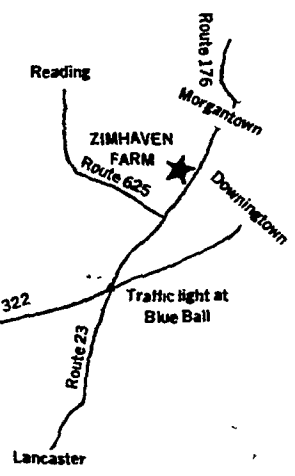
1:00 P.M. - 8:00 P.M.



DIRECTIONS TO FARM:
Rt. 322 East to traffic light at Blue Ball... Turn left unto Rt. 23... First Farm on left past Rt. 625.



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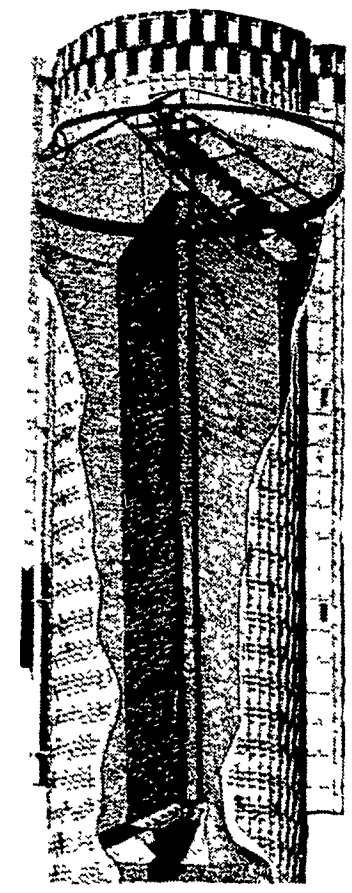
Tim Kissling



The following hay silage samples were taken from our Ribstone silo and were ensiled with No Preservative Added:

Hay Silage Sample	Year	% Moisture	All Values On A Dry Matter Basis % Crude Protein	% Heat Damage	Available Crude Protein
1st Cut	1981	64	23.1	1.9	22.2
2nd Cut	1981	63	25.1	1.4	24.7
2nd Cut	1981	61	23.8	1.5	23.3
2nd Cut	1981	63	24.8	1.5	24.3
1st Cut	1982	68	23.6	.5	23.6
3rd Cut	1982	59	20.9	.8	20.9
4th Cut	1982	52	23.2	1.3	22.8

Everyone is cordially invited to attend an OPEN HOUSE to be held at the Kissling Farm on THURSDAY, DECEMBER 30th, 10 A.M. to 2:30 P.M. Watch next week's Lancaster Farming for more details.

Directions To Kissling Farm:
Take Rte. 422 to Robesonia. Near west end of town, turn north on Bernville Rd. at Kiss Supply Store. Proceed 2 miles, then turn right (east) on Brownsville Rd. Proceed 2 miles, the farm is on the right side of road.
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Visions of peanut brittle dance 'round the hearth

BY JOYCE BUPP
Staff Correspondent

If such a place as the Christmas sugar plum workshop existed, it would likely smell as sweet as the air in the neatly refurbished butcherhouse at Mary and Wayne Hoffman's farm near Dover.

The aroma that envelopes a person stepping through the door to the cozy outbuilding is redolent of childhood, and all the good things that mothers mysteriously stir up during the holiday preparation season.

Inside, the atmosphere is filled with warmth, both from the steam that drifts upward from the kettles bubbling merrily away on a stove, and from the playful teasing and camaraderie obvious among a group of women (and a few men) bursting with energy that would tire Santa's elves, just trying to keep up.

"Peanuts... please!" calls out a cheerful voice from the midst of the work crew keeping watch over the steaming kettles, stirring the bubbling liquids inside. As a hand reaches out and pours the requested ingredient into the boiling syrup, the voice again rings out, "Thank you!."

Even this elaborate, laughing politeness is part of the fellowship generated by members of York County Society of Farm Women #4, as they carry on a tradition that's been part of their activities at the holiday season for a quarter-century.

Off to one corner, Evelyn Lauer is quietly measuring sugar and corn syrup. Quite by accident, Mrs. Lauer founded this annual group project.

At a meeting some twenty-five years ago, a leader of Society #4 handed each of the group's members a dollar bill, with the instructions that each was to take her dollar and see how greatly she could multiply it, using her ingenuity and talents.

Evelyn Lauer purchased the ingredients for a batch of peanut brittle, using a recipe shared by a friend, and sold the finished product. The resulting candy was such a success among the women that they decided to cook up a few batches as a holiday fund-raising project.

Today, the group concocts over a ton of the sweet, crunchy candy prior to the Christmas season. Many of the stirrers, pourers, packers and weighers are the same members who turned out to help put together that first batch of brittle for fund-raising. Along the way, the helping hands of a husband or two are added as needed.

In those early years of candy cooking, members took turns hosting the sessions in their own kitchens. But as customer volumes grew in the ensuing years, the "peanut brittle brigade" rapidly outgrew the limits of most kitchens.

No one, not even hostess Mary Hoffman, remembers exactly when the well-scrubbed, neatly-painted vacant butcherhouse on the Hoffman farm became home for the candy cooking efforts, but it has proved to be an ideal choice, with adequate work space. A six-burner gas stove, rented from the local fire company, provides the cooking space for a half-dozen kettles to be bubbling in various stages of doneness.

"You've heard of "The recipe?" queries one candy cooker, as she steadily stirs a kettle of frothing syrup and peanuts turning a golden color. "This is our "Recipe." (The reference to another "recipe" often referred to on the long-running television show, "The Waltons." That "recipe" was for a home-brew alcoholic beverage.)

The candymakers of Society #4 haven't changed their "Recipe" one measurement from the day Evelyn Laurer concocted that first batch of brittle.

"The secret is in the cooking," figures Mary Hoffman.

Each individual batch is cooked separately, and only heavy aluminum kettles are used. These experienced candy makers attest that the syrup, if cooked in stainless steel pots, will burn too quickly. Eight kettles are in use at all times, six on the stove, while one is being either poured or washed, and another in the refilling-with-ingredients stage.

"If there's a burner without a pan on it, they yell," chuckles the hostess, and more or less general organizer for the annual cooking sessions.

A few of the cooking procedures, though, have changed. While the original recipe called for use of a candy thermometer, the candymakers long ago tossed out that tool. After boiling hundreds of batches, they simply know, just by looking at a kettle, if the syrup is ready for the peanuts, or the bubbling thickness has turned the exact color of readiness.

"Thermometers sometimes lied to us," Mary explains. "We've just educated our judgement."

Weather, too, is a critical factor in the success of the candy making. If the temperature is too high, or the air stagnant, humid and muggy, Society #4's candymakers know to schedule some other project for the day. The brittle simply will not set up or cool properly, and will become sticky or gummy. Instead, they wait for a day that dawns clear and cool, preferably with a light breeze drifting down over the rural hillsides to keep the air moving.

Peanut bittle-making is the sole fund-raising project conducted by Group #4, and each of the 28 members, if at all able, turns out at some time during the sessions to lend a hand. That even includes the group's oldest member, who at age 90, showed up last year to assist with the project, but was unable to

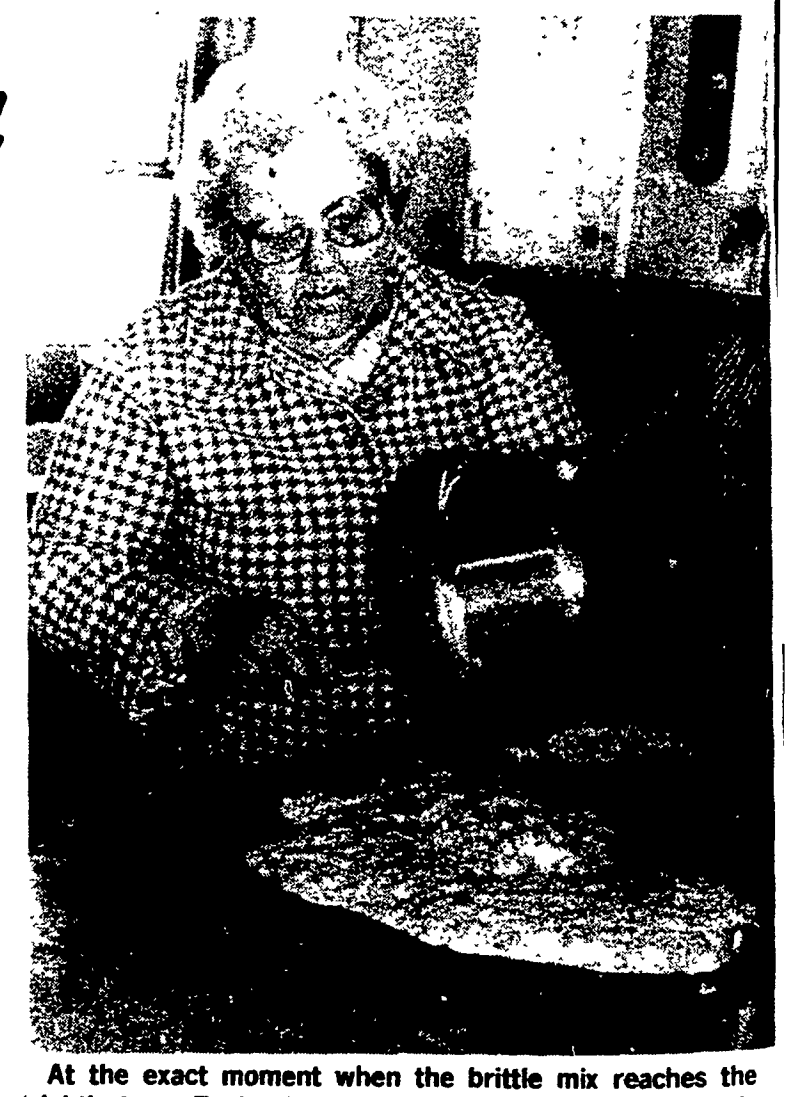
(Turn to Page B4)

Bubbling kettles of peanut brittle syrup cook under the experienced watch of Verna March and Evelyn Leib. According to Leib, the homemade candy even passes the 'white glove test,' as shown by the ones she wears. Although her gloves are worn as extra protection against hot pans, the women rarely suffer splash burns from the bubbling mix.

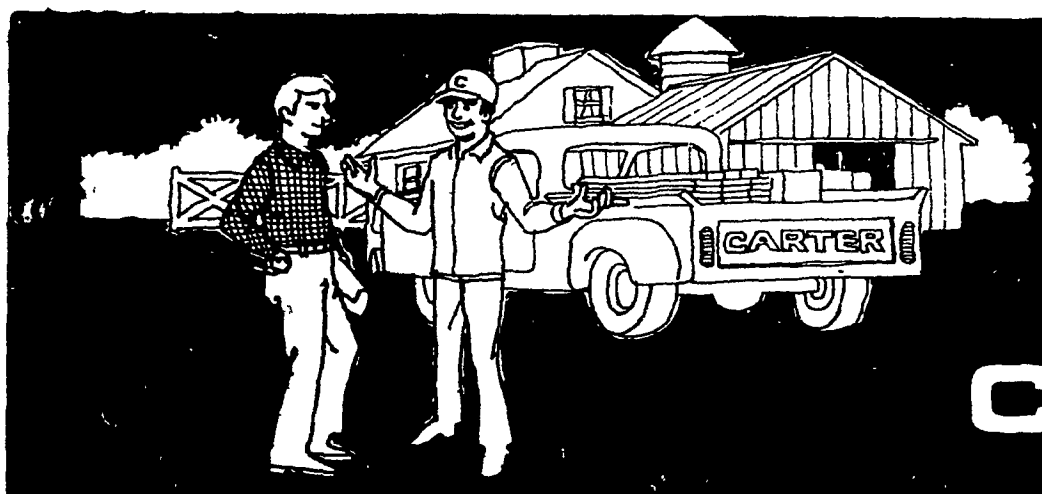
Iona Krone breaks the finished brittle into smaller pieces for easy packaging. These packages will then go to the surrounding area, with some reaching as far west as Arizona and Wyoming, while others go to members' children half way around the world.

Homestead Notes

To assure customers of their money's worth in net weight, candy packages are carefully weighed by Beatrict Leib. Peanut brittle-making is the sole fund-raising project conducted by Group #4, and each of the 28 members, if able, turns out for the sessions.



At the exact moment when the brittle mix reaches the 'right' stage, Evelyn Lauer, originator of the peanut brittle project, adds final ingredients and pours the steaming, sticky concoction out on cookie sheets to cool.



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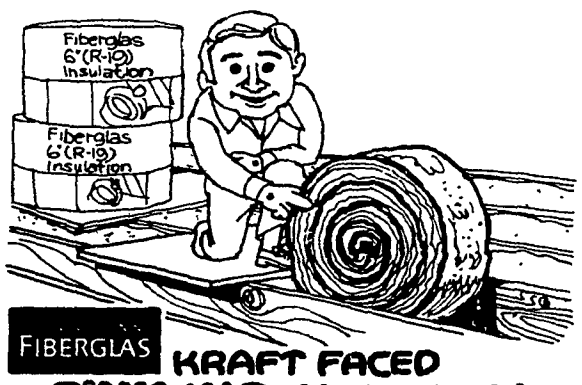

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11'	11.67	—	—	—	—	13.14
12'	12.73	16.08	18.02	9.62	13.40	14.34
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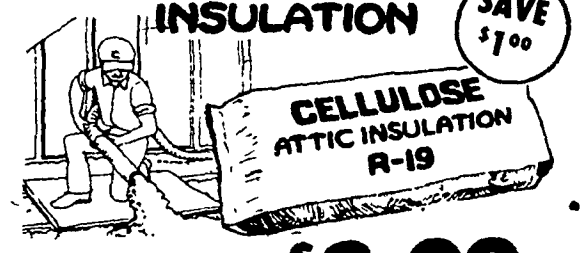

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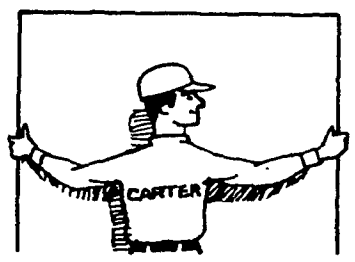

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Visions of peanut brittle

(Continued from Page B2)

take part in this year's candymaking.

Several half-day sessions are needed to fill the orders, which go as far away as Wyoming, Arizona, and the state of Washington. One member regularly takes a large quantity of the brittle to friends in Florida. Some packs of brittle have traveled halfway around the world, bringing a taste of home to sons and friends serving in the armed forces.

Numerous community, charitable and youth groups have been the beneficiaries of the group's dedicated efforts. A check from Society #4 has gone to many individuals suffering from disasters such as floods, fire, or unexpectedly high medical bills.

"The Farm Women's organization was established for the enrichment of the lives of the members," says Mary Hoffman, a former county president. In addition to having given away thousands of dollars to worthy needs, the Dover women also enjoy a bus trip each year, as well as Christmas and collective birthday celebrations.

Members are quick to admit that the candymaking is far more fun than it is work, and a project that has bound them together more closely in friendship.

There have been a few memorble moments over the years of working together. During the early days of candymaking, when members' kitchens provided the work site, one huband ascended his basement stairs, and upset a tableful of candy that had been set too near the doorway.

While the bubbling pots of syrup become very hot, few burn accidents result. But, ever prepared, Mary Hoffman keeps a small pot of aloe vera, the "burn plant," on hand just in case. One cook even comes wearing her white dress gloves as extra added protection against the hot pans, quipping while she stirs that the group's candymaking "passes the white-glove test."

Host Wayne Hoffman, while not officially a society member, has become so adept at candy making that he's usually stirring two kettles at the same time, and like the other experienced cooks, can spot a finished batch in an instant.

Hoffman also handles the heavier chores, such as hauling and moving the approximately one thousand pounds of sugar and blanched peanuts and heavy five-gallon buckets of corn syrup used in the brittle.

While the Hoffman's nine children, six sons and three daughters, are now grown, all spent some time during their childhoods helping with the candymaking project.

And, back in the butcherhouse, a group of eight cooks continues to operate so smoothly and efficiently that it would seem each individual must have been assigned a very specific duty, and never leaves the task.

Not so. In fact, when it comes to candymaking time, Group #4 has no "organization" at all.

"Everybody does everything," attests Mary. If one candy cooker removes a pan to pour out for cooling, another automatically takes over stirring of the new batch that magically appears, with no word or directions spoken.

No one falls over anyone else. No one waits for a new pan of ingredients. No one stops to await directions on what to do next. Like a well-trained army, the brittle brigade just does its job.

"Peanuts, please."

"Thank you!"

Another batch of brittle is on its way to a sweet tooth somewhere, and the community around Dover will benefit from a treasured candy recipe and the ongoing devotion of a group of public-spirited rural women.

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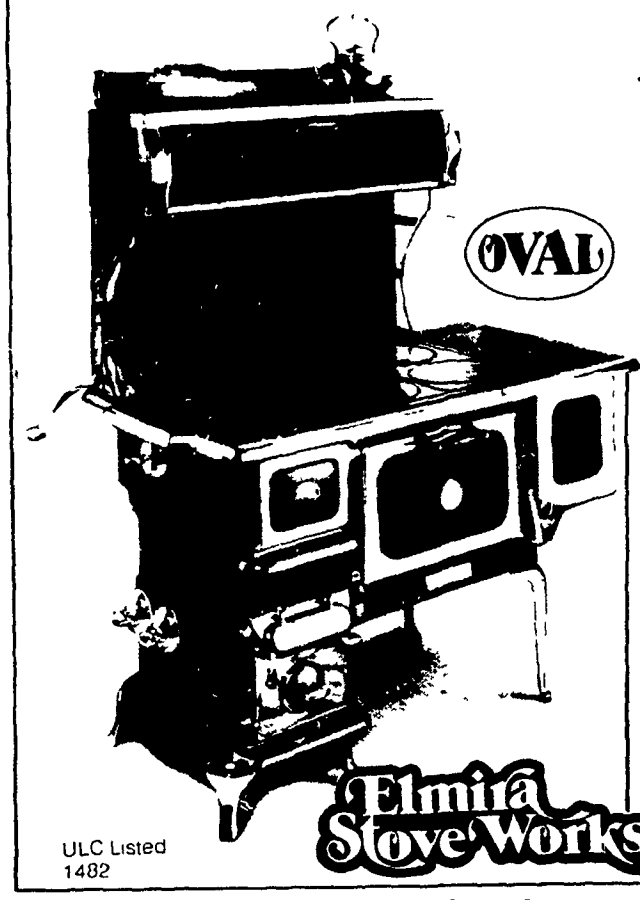

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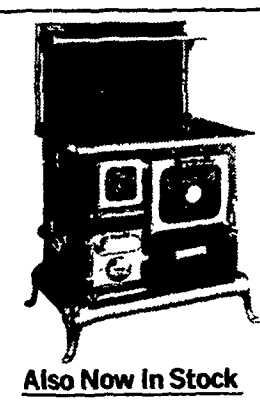

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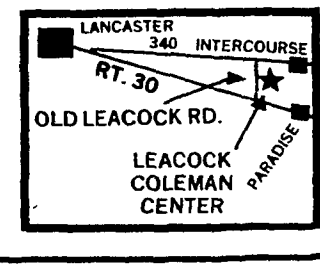

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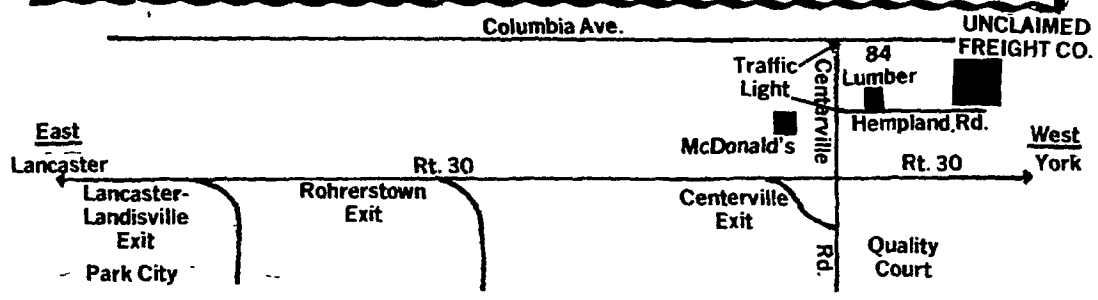

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30 - Bunk Bed Sets w/Side Rails, Guard Rail, Ladder, 2 Pc. Bedding Set w/2 Under Bed Storage Units - Solid Hardrock Maple...Reg. $1789.95 ..... $509.95

30 - Hardrock Maple Trundle Beds w/Mattress & Platform...Reg. $329.95 .... $129.95 w/Casters

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6 - Lamp Tables...Brass & Glass...Reg. $309.95..... $50.00

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Many More Items On Floor...Too Many To List It All

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Ida's Notebook

Ida Risser

Our son Philip, arrived here for the holidays after driving more than 15 hours non-stop by himself. Needless to say we were very glad to see him.

He brought me a book that tells the history of the state of Wisconsin from the early pioneers of the 1830s to the present. There were French, English, German, Swedish and Norwegian settlers. Gradually the Indians were pushed west to Iowa, Minnesota and the Dakotas. The animals, such as buffalo, elk and caribou, were victims of those early men.

The families were quite independent and lived on what they were able to raise. They proved that they could make it without outside help and didn't consider themselves poor. Their trees and flowers were similar to those in Pennsylvania. Among them were wild cherry, oak, hickory, maple, elm and violets, jack-in-the-pulpit, wild columbine and Dutchman's-breeches. In fact there were many similarities in their life as compared to life on an early Pennsylvania Dutch farm. The family was very important and children were expected to help with all the chores. The food was not fancy, but usually plentiful.

The one thing that struck me was the list of sayings that were given regarding forecasting the weather and general superstitions. So many were the same ones that my mother and grandmother told to me. Here are a few: "If you sing before breakfast, you'll weep before supper."

"If you put a garment on wrong side out, leave it that way or bad luck will be the result."

"When you drop a knife, the direction in which it falls will determine the direction from which company will appear."

"Never bring a small round egg into the house or bad luck will follow."

"A storm was coming if water from the well looked cloudly or if there was a circle around the moon."

Also a rain storm was on its way if — "The dog or cat ate grass, tree leaves blew wrong side out or when chimney smoke settled to the ground."

Death was foretold if — "Shoes were placed on a table, if the moon shone on you as you slept or if 13 people were seated at one table." How similar in thought we humans are.

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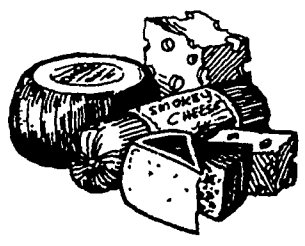
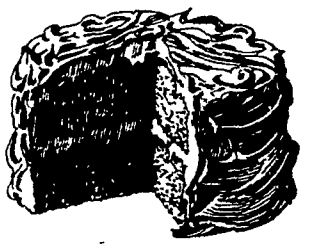


Home On The Range



Christmas cookies add a touch of tradition

Stockings hung by the fire, Santa Claus in his bright red suit, nativity scenes under the tree and cookies baking in the oven — all signs that Christmas is about to occur.

But it's the cookies that please the scenses most — their delectable aroma, their pleasing taste and their visual appeal as they rest in the cookie jar.

Cookies are a cooking treat in that they can be made ahead and frozen, thus saving time for other holiday preparations.

Try some of the unique recipes listed on this page and have a very Merry Christmas.

FUDGE NUT LAYER BARS

1/2 c. butter
1 1/2 c. sugar
2 eggs
1/2 t. vanilla
3 c. flour
1 t. baking powder
1/2 t. salt
1 12-oz. pkg. semi-sweet chocolate pieces
1 8-oz. pkg. cream cheese, cubed
2/3 c. evaporated milk
1 c. chopped walnuts

Beat butter and sugar until light and fluffy. Blend in eggs and vanilla. Combine flour, baking powder, and salt; mix well. Press half of mixture onto bottom of 13x9 inch baking pan.

Combine chocolate pieces, cream cheese and evaporated milk; stir over low heat until smooth. Spread over crust. Sprinkle with remaining crust mixture; press down gently. Bake at 375 degrees, 30 minutes or until crust is lightly browned. Cool; cut into bars.

ALMOND MACAROONS

1 c. blanched almonds
1 egg
1/2 c. sugar
1/4 t. salt
1 T. enriched flour
1 T. melted butter
1/2 t. vanilla
additional almonds for decoration

Grind almonds, using fine blade of food chopper. Beat egg and gradually beat in sugar, salt, and flour. Stir in butter, vanilla, and ground almonds.

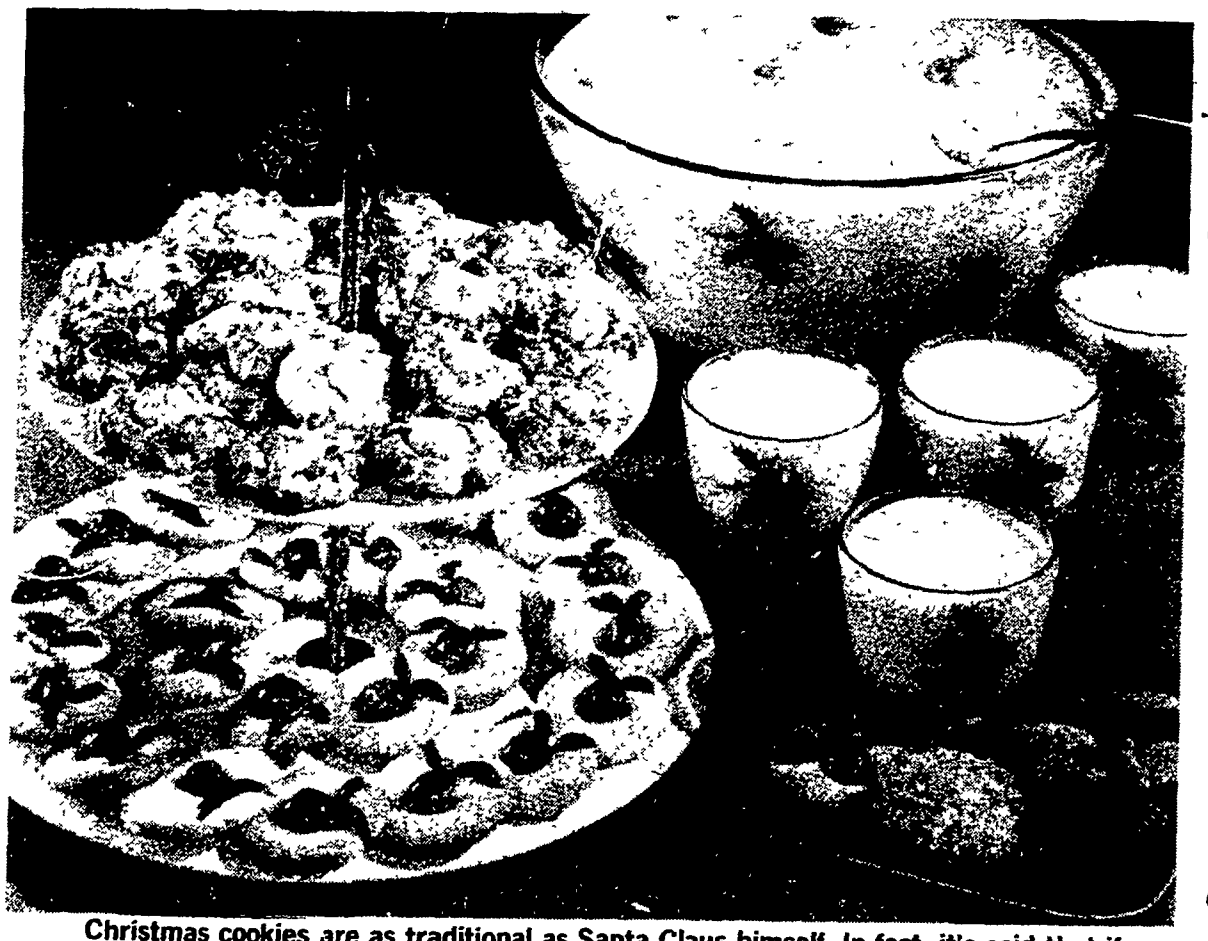
Drop by teaspoonsful onto greased baking sheet. Top each cookie with an almond half or a few chopped almonds. Bake at 350 degrees for 10 to 15 minutes, until lightly browned. Remove from pan at once. Makes about 20 cookies.

Mrs. Paul Miller, Hagerstown, Md.

FRUIT 'N DROPS

1 8-oz. pkg. cream cheese
1 c. butter
1 c. packed brown sugar
1 egg
2 c. flour
1/2 t. baking soda
1/2 t. salt
1 c. chopped dates
3/4 c. chopped walnuts
1/2 c. candied cherry halves
walnut halves

Combine softened cream cheese, butter and sugar, mixing until well blended. Blend in egg. Add combined dry ingredients; mix well. Stir in dates, nuts and cherries. Drop rounded tablespoonsful of dough onto greased cookie sheet; top with nut halves. Bake at 375 degrees for 9 to 11 minutes or until edges are lightly browned.



Christmas cookies are as traditional as Santa Claus himself. In fact, it's said that if you leave Santa some milk and cookies on Christmas eve, he'll reward you under the tree. On the top tier are Almond Macaroons and on the bottom, cherries gracing your favorite sugar cookie recipe. Find the macaroons on this page.

CHOCOLATE WALNUT CANDY COOKIES

2 6-oz. pkg. choc. morsels
3 T. soft butter
3/4 c. sugar
1 egg, unbeaten
1 1/2 t. vanilla
1 T. milk
1/2 c. flour
1/4 t. baking powder
1/2 t. salt
1 1/2 c. coursely broken walnuts

Melt 1 pkg. chocolate over hot water. Stir together butter, sugar, egg and vanilla. Beat with spoon just till smooth. Stir in melted chocolate and milk, then flour sifted with baking powder and salt.

Stir in walnuts and second pkg. chocolate. Drop by teaspoonsful on greased cookie sheet. Bake for 10 minutes only at 350 degrees. Cookies will be soft. Cool slightly and remove to rack. Makes 3 1/2 to 4 doz. candy-like cookies.

K.D. Shaull, Brogue

The key words to a more enjoyable holiday season are "do ahead." This applies especially to holiday baking because many cookies can be made well in advance of the big holiday rush, then frozen. Some favorite "do aheads" are, from top left, Fudge Nut Layer Bars, Sparkle Cut-Out Cookies, and Fruit Nut Drops.

MOLASSES KRINGLES

3/4 c. shortening
1 c. brown sugar
1 egg
4 T. molasses
2 1/4 c. flour
1/2 t. salt
2 t. soda
1 t. cinnamon
1 t. ginger
1/2 t. cloves

Cream shortening and sugar together. Add egg and molasses and beat until well blended. In separate bowl, measure flour and all other dry ingredients. Sift twice.

Add sifted dry ingredients to creamed mixture. Mix thoroughly. Chill dough in refrigerator. Shape the chilled dough into 1 inch balls. Roll balls in granulated sugar. Place on greased baking sheet. Bake at 350 degrees for 12 to 15 minutes.

Mrs. Smyser, York

CHEWY OATMEAL COOKIES

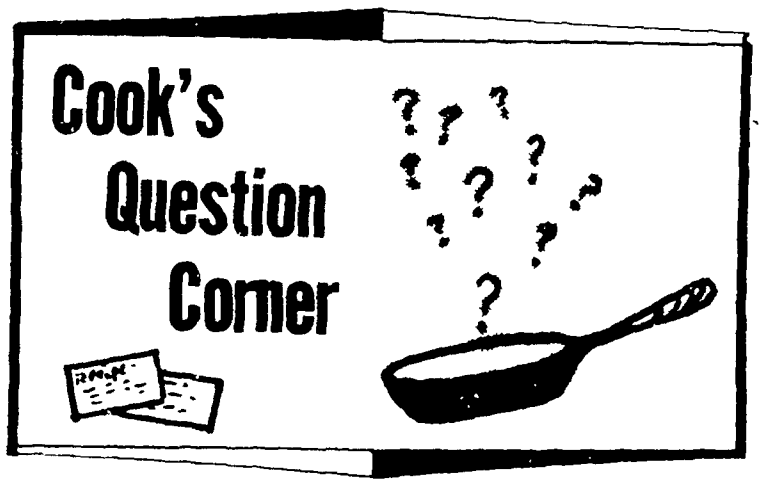
1 c. brown sugar
1 c. white sugar
1 c. shortening
2 eggs
1 t. vanilla
1 c. flour
1 t. soda
1/2 t. salt
1/2 c. coconut
1 c. nuts
1 c. raisins or dates
4 c. oatmeal

Cream sugar and shortening. Add eggs and vanilla. Sift dry ingredients. Add to creamed mixture and mix. Stir in nuts, raisins, coconut and oatmeal.

Bake at 350 degrees for 10 to 12 minutes.

Pauline Hurst, Newville

(Turn to Page B8)



ANSWER - For Ruth Emerson of Cochranville: We do not dry tea but freeze it. Just pick, wash, put leaves and stems in plastic bags and freeze for fresh tasting tea year 'round. To prepare for drinking in the summer: put tea in a container. Pour boiling water on tea and let set 20 minutes, more or less. Add a little sugar after removing tea leaves and stems. May be strained

Verna Martin
Wermersville

QUESTION - Erma Sheriff of Marysville is still looking for a recipe for onion rings. Can anyone help?

QUESTION - Does anyone have a sweet potato pie recipe using yams?

Ruth Emerson
Cochranville

Recipe Topics

December	
25	Unique ways to serve ham
January	
1	Thick, juicy beef dishes
8	Warm soups for cold weather
15	Make it with an egg
22	Vegetable dishes for the winter

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12-row W	$3500	4-row	$ 700
12-row N	$2600	7100 Integral	
8-row W	$2200	12-row N	$1200
7000.		10-row N	$1000
12-row N	$1900	8-row N	$ 900
8-row W	$1200	8-row W	$ 800
8-row N	$1100	6-row N	$ 700
6-row W	$1000	6-row W	$ 600
6-row N	$ 800	4-row W	$ 500
4-row W	$ 500		
4-row N	$ 500		

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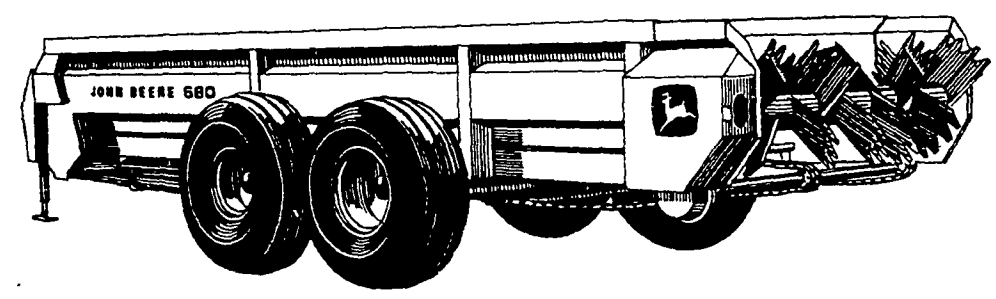

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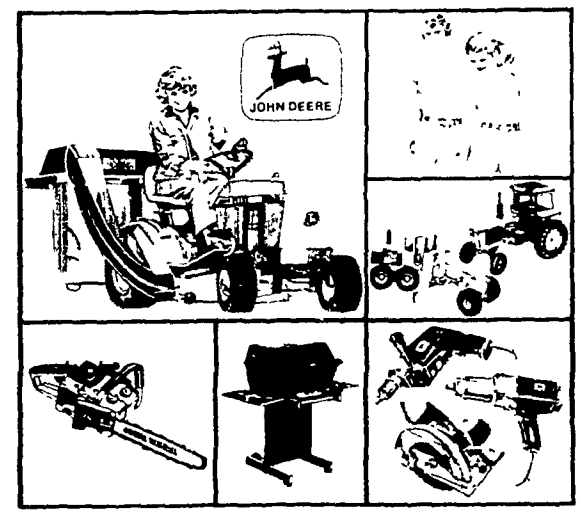

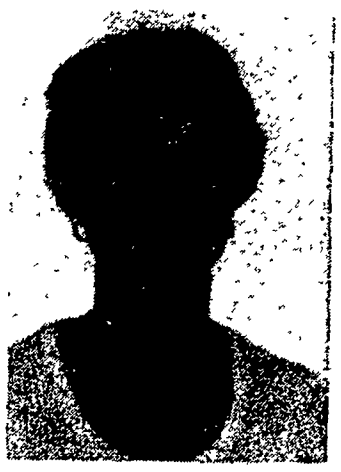

On being a farm wife - And other hazards

Joyce Bupp

Tradition.

If there is ever a time when tradition floods our lives, it's through the Christmas season. On this busy, joyous time of year, meaningful customs that have survived the centuries intertwine with new observances which bring special memories to each family.

A wreath on our farm house front door has become the classic holiday welcoming decoration, as it is a millions of other homes; of other homes; symbolic of the eternal, never-ending life that was born at Christmas, the wreath shape on our door has always been hand-crafted of cuttings from our backyard evergreens.

Tradition broke this year, though, when the new "80's" version of the wreath, designed of circling grapevines, reminded me of just how badly our grape arbor needed trimming. Wiping out two jobs in collective pruning and wiring session, the wreath was quickly assembled, tied with bright red-checked gingham, and ceremoniously hung on the front door.

But the trim that adorns it also breaks with tradition. Instead of the usual tinkling bells, or shining balls, or pine cones, this wreath is decked with a living ornament.

Don Gato (or rather Dawn Gato, renamed after a mistaken-identity goof), has discovered that, if she scrambles to the top of the wreath, it provides a perfect perch from which to peer through the window and beg admittance.

When the wreath's wire slipped loose on one side, a thump against the door announced the unveiling of the first grapevine wreath on which a living, breathing grey-striped tiger kitten hung down from the center. Clinging for dear life, I might add.

We worry this may become a tradition.

Also traditional at most homes is the trimming of the tree, transforming a simple, graceful evergreen into a magical fairyland of twinkling color and bright ornaments.

Somewhere in the back of my mind, I've always clung to the dream of dashing through the snow, to a hill of evergreens, behind a prancing, dappled horse, and hauling home the spruce or pine prize on a red-velvet-covered sleigh that whisks silently across the landscape.

Instead, picture this year's reality: in 70-degree, sun-splashed warmth, our youngsters bounded down the road on the motorcycle, lopped off a side-section of a pasture cedar, dragged it home bouncing behind the Suzuki, and then set it up and decorated it, while Dad snoozed on the couch and Mom pounded the typewriter.

Imagine that scene ever being printed on a Currier-Ives type Christmas card.

Kiss another tradition goodbye.

Christmas cookies

(Continued from Page B6)

DATE AND NUT COOKIES

6 c. brown sugar
8 eggs
Beat well, then add:
1 1/2 c. oil
4 T. water
2 T. vanilla
4 t. soda
2 lbs. flour
Mix well then add:
2 lbs. nuts cut up
4 lbs. dates, cut up
Bake 350 degrees till light brown. Don't bake too long.

Mrs. John Stoltzfus, Bird-in-Hand

SPARKLE CUT-OUT COOKIES

1 8-oz. pkg. cream cheese
1 c. butter
2/3 c. sugar
1/2 t. vanilla
2 1/4 c. flour
dash of salt
colored sugar

Combine softened cream cheese, butter, sugar and vanilla, mixing until well blended. Add flour and salt; mix well. Chill. On lightly floured surface, roll out dough to 1/8-inch thickness; cut with assorted 3-inch cookie cutters. Place on ungreased cookie sheet. Decorate with colored sugar or decorative candies, if desired. Bake at 375 degrees for 8 to 10 minutes or until edges just start to brown.

BACHELOR BUTTONS

1/2 c. shortening
1 c. light brown sugar
1 egg
1/2 c. nuts
1/2 c. candied cherries, cut fine
1 t. vanilla
2 c. flour
1/2 c. coconut
1 t. soda

Cream shortening and sugar. Add egg and beat well. Add remaining ingredients and drop on to lightly greased cookie sheets, using a teaspoon to drop dough. Bake at 350 degrees for 8 to 10 minutes.

Mrs. Harold Kramer, Newmanstown

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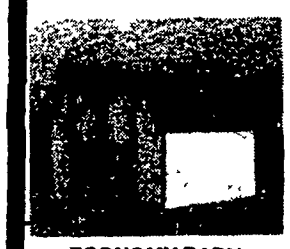
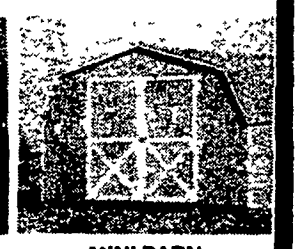

ECONOMY BARN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• 10x12 ..... $625.00	• 10x12 ..... $545.00
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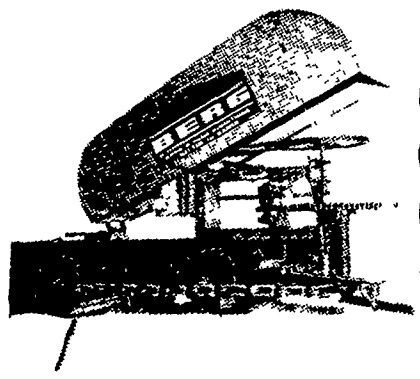

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Spicy pumpkin cake ideal for Christmas

LANCASTER — Look to one of Christmas' favorite flavors for dessert inspiration next time the party's at your house. Pumpkin Pudding Cake, served warm from the oven with Spicy Orange Sauce is an impressive yet easy-to-prepare spice-scented cake, generously studded with dates and nuts. The luscious texture of this special cake is as moist and tender as your favorite pudding cake recipe.

The unexpected ingredient which provides moist richness in this special dessert is also the basis for the delicate, foamy hot dessert sauce. La Creme, the frozen whipped topping with real cream from Kraft, is amazingly versatile. For a dessert sauce, it can be heated without separating. As a whipped topping for hot coffee beverages it holds up beautifully. With refrigerated desserts it offers make-ahead convenience, and unlike whipped cream, you can even use it on hot desserts without having it melt away quickly. And, there's no last-minute effort in the preparation.

La Creme whipped topping has all the convenience of non-dairy whipped toppings, yet it's made with 54% real dairy ingredients — cream, whole and skim milk — for a fresh, natural taste.

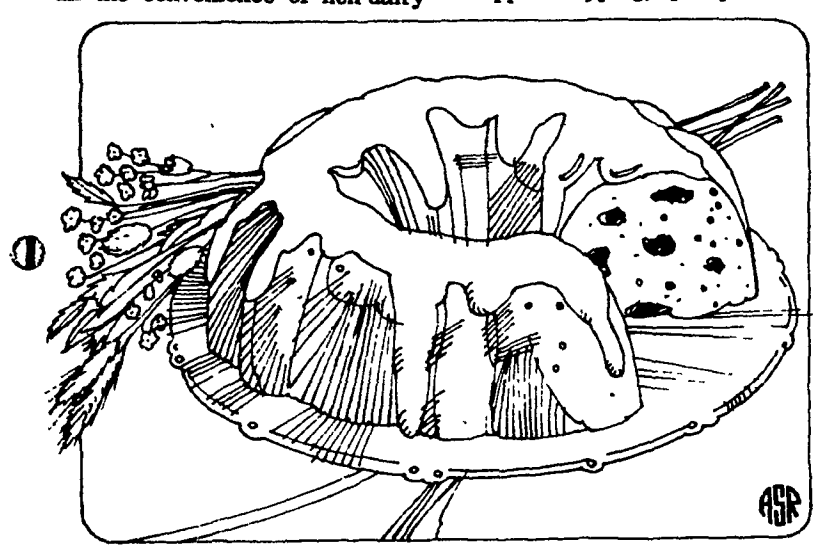
Spruce up your autumn party and family desserts with versatile La Creme whipped topping, for a special mealtime conclusion. A real boon for small families, it can be thawed and refrozen three or four times without any noticeable quality loss.

Pumpkin Pudding Cake

1/2 cup Parkay margarine
1-1/3 cups sugar

1 9-oz. container La Creme whipped topping with real cream, thawed
1 cup canned pumpkin
2 eggs
1-2/3 cups flour
1 teaspoon baking soda
1/2 teaspoon salt
1/2 teaspoon cinnamon
1/4 teaspoon baking powder
1/4 teaspoon cloves
1 cup chopped dates
1/2 cup chopped nuts
Spicy Orange Sauce

Beat margarine and sugar until light and fluffy. Blend in 1 cup whipped topping, pumpkin and eggs. Add combined dry ingredients; mix well. Stir in dates and nuts. Pour into greased and floured 10-inch fluted or standard tube pan. Bake at 350°, 1 hour. Cool 10 minutes, remove from pan. Serve warm with:



Spicy Orange Sauce

2 cups thawed La Creme whipped topping with real cream
1 teaspoon grated orange rind
Dash of cinnamon
Dash of nutmeg

Heat whipped topping over low heat, stirring just until melted. Blend in spices. Serve immediately.

Benners celebrate 70th anniversary

FAIRFIELD — Celebrating a 50th wedding anniversary is a rare and special occasion for many senior citizens to achieve, so a 70th anniversary would be outstanding, right?

It was, at least for Mr. and Mrs. B.E. Benner of R1 Fairfield, who celebrated 70 years of married bliss on Sunday, Nov. 28.

Perhaps their special day can be attributed to good country living, or perhaps to Mrs. Benner's cooking. She mailed us three of her "old time" recipes for readers to try. Find them below.

Mrs. Benner was a member of the first graduating class of the New Holland High School in 1908, while Mr. Benner attended Lancaster Business School in 1913.

The Benners have four children: Mrs. Kenneth Bream of Gettysburg; Lloyd E. Benner of Fairfield, Mrs. Charles Williams of Gettysburg, and John D. Benner of Fairfield. They also have 12 grandchildren, 16 great grandchildren and one great, great grandchild.

Mr. and Mrs. B. E. Benner

SUGAR COOKIES

½ lbs. lard or butter
1 lb. granulated sugar
2 eggs
1 c. buttermilk
1½ lbs. flour with 2 t. baking powder
vanilla or raisins added

Let set in refrigerator over night. Then roll and cut and sprinkle with sugar. Bake in greased pan in 360 degree oven until finished.

PEPPER NUTS

1 lb. granulated sugar
½ lb. butter or lard
1 c. buttermilk
6 beaten eggs
2 t. soda
½ t. nutmeg
about 2 lb. flour

Mrs. Benner says to sift the soda, nutmeg and flour together. She uses this recipe for the Christmas cut out cookies. Bake the ingredients in a greased pan at about 360 degrees until finished. Let stand over night.

According to Mrs. Benner, both recipes were her Grandmother Musselman's.

MOLASSES COOKIES

1 c. brown sugar
1 c. molasses
3 beaten eggs
1 c. melted lard
1 c. buttermilk
1 T. soda
1 T. ginger
1 T. cinnamon
½ t. nutmeg
1 t. salt

Mix last five ingredients with four cups of flour. Add the brown sugar to the molasses, then the eggs and lard. Alternate with buttermilk and sifted dry ingredients. Let stand a half day or in refrigerator over night before rolling out. Sprinkle with sugar. Bake about 360 degrees until done.

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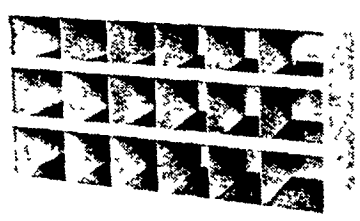

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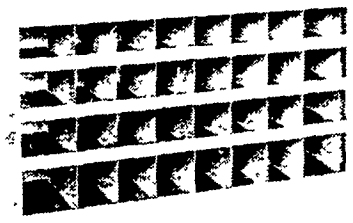

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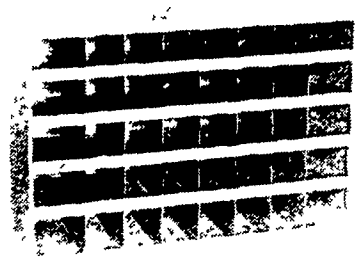

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Holiday customs around the world

Holiday time is a favorite time everywhere and a great time to learn about the traditions of their own families and of people around the world.

Environments is one factor that, influences how people celebrate holidays. Take Santa Claus, for example. In Syria, a hot Mediterranean country, a man in a fur suit riding in a sled pulled by reindeer would seem out of place. So instead of Santa, Syrian children look for their presents to be delivered by the Youngest Camel, an animal that is familiar to them.

In Brazil, where Christmas falls in the middle of the summer. Papa Noel comes in through the window because the chimneys, if there are any, are too small. For the New Year, Japanese families decorate their houses with bamboo, evergreen and straw rope, all common items in Japan. The decorations symbolize long life and strong ties.

Many holidays had their beginnings as a way to celebrate the changing of the seasons. For example, Chanukah and Christmas are celebrated near the winter solstice, the shortest day of the year. Passover and Easter fall near the spring equinox, when day and night are equal in length.

Here are some activities that are fun for kids and adults and can help give families a feeling of togetherness during the holiday season.

Holiday Recipe Book

Get together with family members or friends and have everyone bring recipes for special foods eaten only during the holidays. Draw pictures of people making the food or eating it. Write stories about how the food is prepared or why it is served only during the holidays.

Put the recipes, stories and pictures together in a notebook or on a set of recipe cards punched and tied together with string. Make an extra copy of the cookbook and give it as a gift.

Bring Back an Old Tradition

Get boys and girls together with grandparents or other older members of the family to talk about how holidays were celebrated in the "old days." Discuss what has stayed the same, what has changed and why. Choose a tradition from the past and make it a part of this year's holiday celebration.

Explore Traditions of Other Cultures

Look in cookbooks for cookie recipes from around the world and bake an assortment of holiday cookies from different countries. Look in craft books or magazines for ideas on making holiday decorations from other cultures.

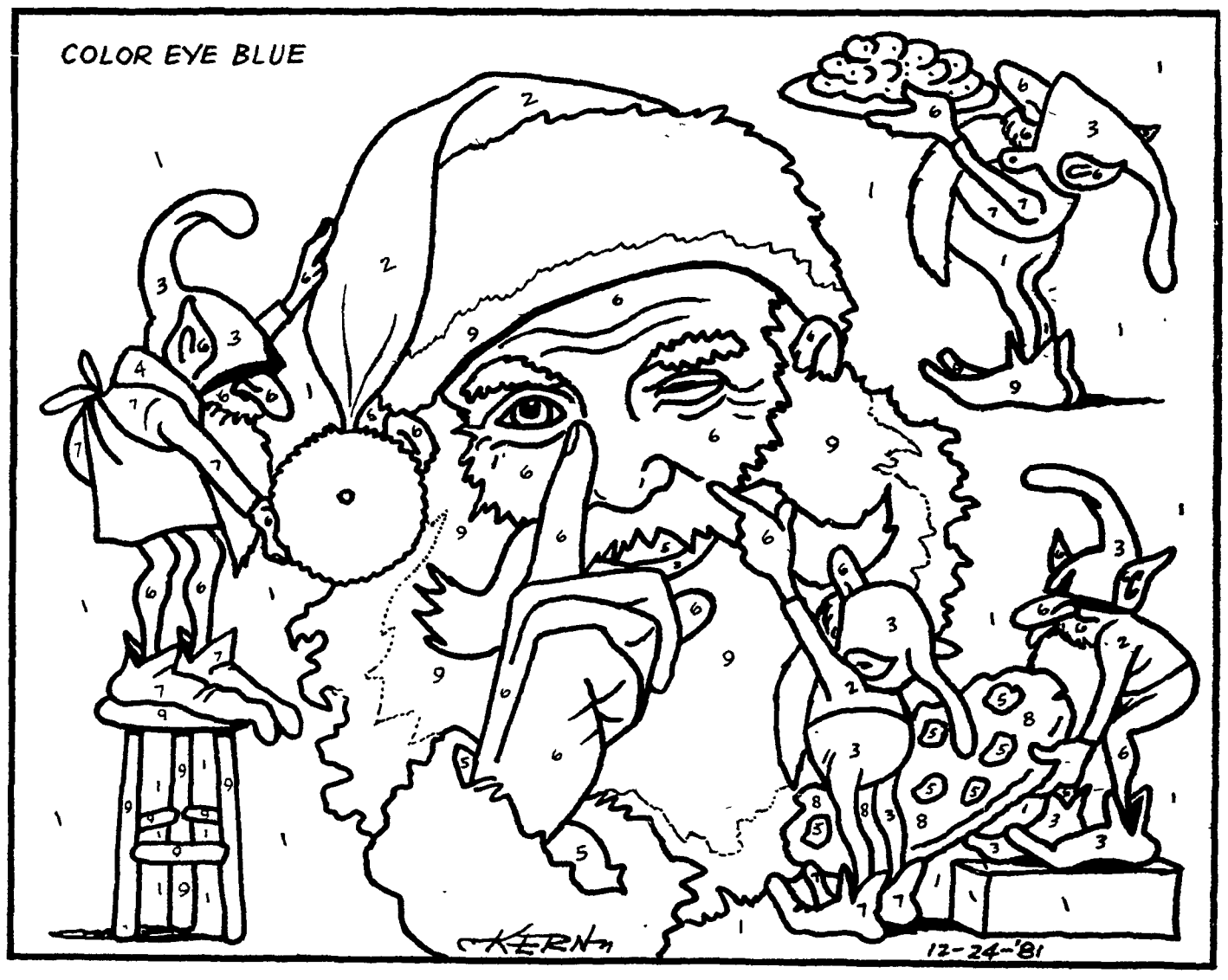
Environment is one factor that influences how people celebrate holidays. In Syria, a hot Mediterranean country, presents are delivered not by Santa Claus, but by the Youngest Camel.

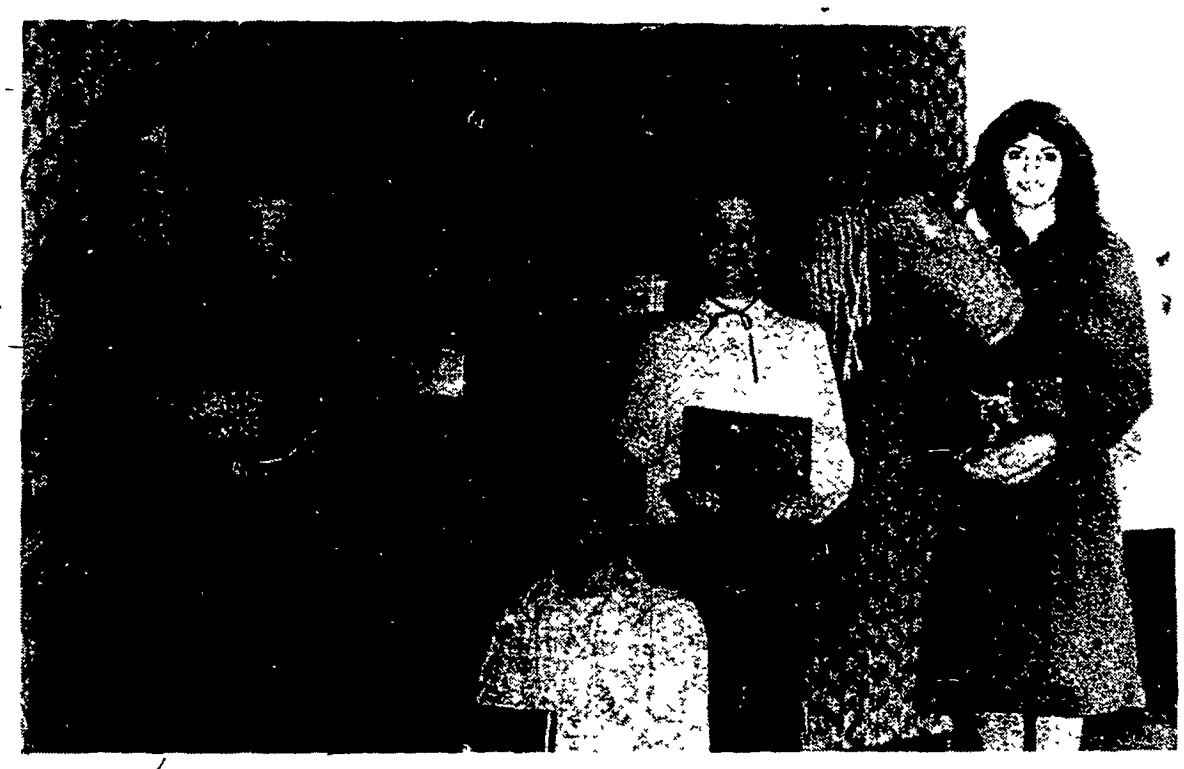
AND WHAT DO YOU WANT FOR CHRISTMAS?
I'D LIKE TO BE IN 4-H!
CHRIS CLOVER TELLS ME, YOU CAN JOIN 4-H ANYTIME!
IN THAT CASE, CAN I HAVE A FIRETRUCK, A BALL, A WATCH, A...

COLOR THIS!

1.	PEACH	6.	PINK
2.	RED	7.	GREEN
3.	YELLOW	8.	LT. BROWN
4.	BLUE	9.	LT. GREY
5.	BROWN	10.	LT. GREEN

CHRISTMAS IS THE TIME FOR JOLLY OLD SANTA CLAUS TO SHOW HIS FACE AGAIN. THE NORTH POLE, SANTA'S HOME, IS THE BUSIEST PLACE JUST BEFORE CHRISTMAS. BROWNIES ARE BUSY MAKING ALL KINDS OF BAKING GOODIES AND TOYS FOR ALL THE BOYS AND GIRLS. SANTA LOADS HIS SLEIGH, CHECKS HIS ROUTE, AND TAKES OFF WITH HIS REINDEER TO DELIVER ALL HIS PRESENTS.





Honored recently at the annual county 4-H horse banquet at the Farm and Home Center, for achievements in state competition, were, front left, Mary Ann Melasecca, Shea Fitzpatrick, Wayne Stoltzfus, Allison Farrington; back row, Michelle Wentzel, Brook Sweigart, Alida Farrington, and Valerie High.

Lancaster Co. horse clubs honor members

LANCASTER — The nine 4-H horse clubs from throughout Lancaster County gathered for their annual banquet, Saturday night, Dec. 4 at the Farm and Home Center.

Honored for their efforts in the horse judging team were Kris Buck, Gail Graver, Valerie High and Curtis Huber; and for the horse bowl, Gretchen Doner, Lowell Mammau, Bud Spahn and Esther Wittel.

State award winners honored included Alida Farrington, Shea Fitzpatrick, Valerie High, Mary Ann Melasecca, Wayne Stoltzfus, Brook Sweigart, Michelle Wentzel, and Allison Farrington.

Carol Henkel, leader for the Silver Club, was presented a check for $800 to be used for the therapeutic riding program. The money had been gathered over the years as a surprise according to Kendy Allen, leader of the Saddle Cinches.

Another surprise went to Jay Irwin, County Extension agent, who received a hand-tooled leather western belt by the 4-H horse leaders.

Saddle Cinches Club holds banquet

MANHEIM — Four-H members, families and friends gathered recently at the Manheim Sportsman Club, Manheim, for the Saddle Cinches 4-H Horse and Pony Club annual awards program.

The club, based in the Manheim area, recognized 4-H members for their outstanding work done in the 1982 year.

Praising members for their work "above and beyond the call of duty," leader Kendy Allen told how members of the club and their families built a riding ring in a day. Those who helped in the project included: Brooke Karsnitz, Lesa and Lee Guthrie, Tom, Melissa, Michelle, and Tommy Harris, Tom and Vickie Creighton, Dick, Pat, Julie, and Troy Adams, Karen Enck, Keith, Kendy, and Andy Allen, and Jim, Carolyn, Yvonne and Yolanda Peters.

James Peter donated the land for the ring's use, and also supplied all lumber needed to build the ring. The ring will be ued by the club for horse shows and other activities.

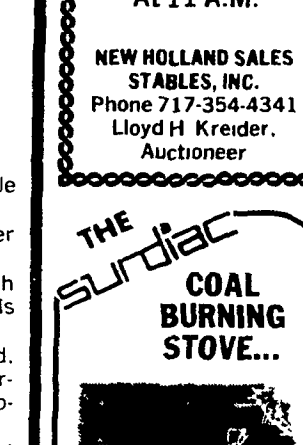
Four members of the club had ridden in the Manheim Halloween parade and were recognized: Yolanda Peters, Andy Allen, Yvonne Peters, and Lesa Guthrie. Members who had ridden on an overnight trail ride in October were awarded patches. They included: Julie Adams, Andy Allen, Melissa and Michelle Harris, Yolanda and Yvonne Peters, Rhonda Gibble, Angie Heisey, and Lesa Guthrie.

Other awards included Show helpers Kathy Smith, Denise Travitz Julie Adams and Lisa Miller, Farm Show Parade participants Julie Adams Yvonne and Yolanda Peters Lesa Guthrie Brian Miller Angie Heisey Melissa and Michelle Harris Jennifer Simala Andy Allen Rhonda Gibble Vicki Faus and Vickie Creighton Grooming and Showmanship Julie Adams and Angie Heisey Highest Placing Showman in County Roundup Andy Allen, District Show Winners Angie Heisey and Michelle Harris Best Record Books Vicki Faus Michelle Harris Rhonda Gibble Julie Adams Angie Heisey and Lisa Miller youth manual work Rhonda Gibble, Lesa Guthrie Denise Travitz and Julie Adams, demonstrations Andy Allen and Vickie Creighton Lesa Guthrie and Yvonne Peters and Michelle Harris, Outstanding Teen Leader Julie Adams, Ride and Tie Race Julie Adams, Top Salesman for Year Roger Brenneman Trail Ride Yolanda Peters Most Improved Western Rider Melissa Harris Most Improved English Rider Vickie Creighton Sportsmanship Yvonne Peters Point Winners Denise Travitz Lisa Miller Jannie Hagan, Angie Heisey Julie Adams Alison Heisey Melissa Harris, Yvonne Peters, Lesa Guthrie Yolanda Peters Rhonda Gibble, Vicki Faus Jennifer Simala Andy Allen Vickie Creighton, Roger Brenneman Julie Witmer, and Michelle Harris

Recognized for earning the most points in the club for the year were Yvonne and Yolanda Peters with Melissa and Michelle Harris placing second and Andy Allen third

The club also gave a plaque of appreciation to organizational leader Kendy Allen for her work She is assisted by leaders Keith Allen Mary Buch, Sue McCoy, and Donna Bean

The club will start its 1983 year of activities in March with an organizational meeting and election of officers



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Farm Women Societies

Lancaster Co. Society 8

Lancaster Society 8 met at Hostetter's Dining Hall for their annual Christmas party and dinner.

The musical group, the DoneGals from the Donegal School District, sang several Christmas songs.

No meeting has been scheduled for January, making their next meeting in February at the home of Georgiana Forney.

Lancaster Co. Society 23

Lancaster Society 23 met recently at the Brereton Manor Rest Home to entertain guests with a Christmas party.

A brief business meeting followed at the home of Millie Charles of Washington Boro.

Lancaster Co. Society 25

Lancaster Society 25 met for a Christmas party at the home of Mr. and Mrs. Glenn Nauman, recently.

Steve and Doris Nolt presented a religious musical program for entertainment.

The next meeting will be held Jan. 8 at the home of Regina Scheid of Lancaster.

Berks Co. Society 1

Berks Society 1 met with their families at Stahl's Seafood and Steak House in New Berlinville for a Christmas party, recently.

The next meeting is scheduled for Jan. 12 at the Weavertown home of Mrs. Robert Yanos.

Berks Co. Society 6

Berks Society 6 recently held their Christmas party with their families at Stahl's Seafood and Steak House in New Berlinville.

For entertainment, John Ellswanger gave a slide presentation of Austria, Germany and Switzerland.

Members will be taking a bus trip to the Ice Capades at the Spectrum in Philadelphia on Jan. 2. Anyone interested in attending with the Society should contact Dorothy Wagner at 689-5496.

Members will be making fruit baskets for shut-ins for Christmas at the home of Mrs. David Hauseman on Dec. 20.

Erma Bauer was appointed corresponding secretary for 1983.

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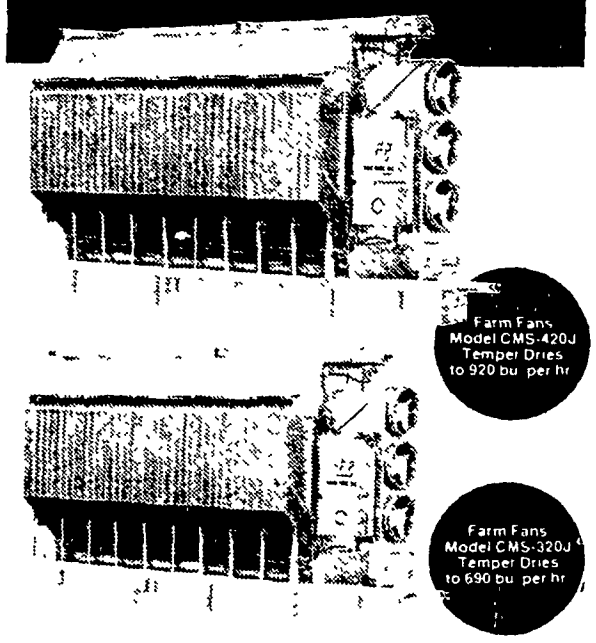

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NEW YORK — Pets are among America's most ill-advised Christmas gifts. Soft-eyed puppies, and frolicsome kittens, gleefully tumble in pet shop windows. Their appeal is tremendous. The sales are high.

A month later, many of those same delightful animals will be cowering miserably in the cages of the local animal pound. Others will already be dead — unwanted and abandoned to bleak winter.

The simple point here is that although many people find great happiness in giving a young animal as a Christmas gift, not everybody is so happy about receiving one. And it takes exceptional courage to reject the gift of a helpless, ribbon-festooned kitten on Christmas morning.

Usually, the animal is received with gracious thanks, and then somehow disappears in a few weeks. Responsible people burdened with an animal they don't really want take it to a respectable shelter. And shelters all over America have experienced a great population explosion during the weeks immedately after Christmas for many decades now.

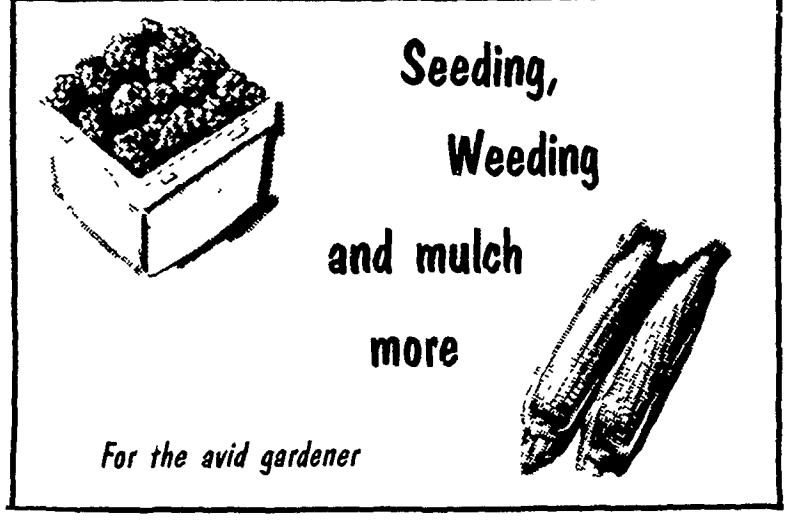
Humane jurisdictions require that animals in shelters be either adopted by new owners, or humanely euthanized. Other jurisdictions also force animals to be funnelled off to experiment labs and other cruel ends.

Anyone considering a gift of a living creature should also consider the following points:

— Make absolutely sure the animal is wanted. If this means losing the joy of surprise, so be it. Better no surprise than risking tragedy with an animal's life.

— Make absolutely sure the receiver is capable of giving the animal all the care and attention it deserves. Too often, kittens and puppies are given to children who are wildly infatuated about the pet, but are not mature enough to insure that the animal is properly tended.

— If somebody you love really wants an animal, and is mature enough to provide it with good care and attention, why not agree between you to wait a few days, or weeks, after Christmas. Go shopping around the animal shelters in early January, and it's likely you'll find many appealing animals — some purebred, some sprightly mongrels. You gift of joy will also become an errand of mercy.



Store leftover egg yolks and whites

LANCASTER — With the holidays upon us, many consumers may wonder what to do with those leftover egg yolks and whites from pre-holiday baking activities.

Egg yolks should be covered with cold water, stored in a tightly closed container and used within a day or two, according to Extension consumer specialists.

If leftover egg whites start to add up, refrigerate them promptly in a tightly closed container and also use them within a day or two. Do not cover egg whites with water before storage. Storing eggs correctly once they are brought home from the store will help you get the most from your egg money.

Store uncooked eggs in the shell with the large end up to keep the yolk from sticking to the shell. Eggs retain their naturally fresh qualities longer when stored in this position.

Greens for the holiday

Many landscape plants can provide greens for holiday decorations.

Yews, junipers, false cypress, pines and hollies have attractive foliage that holds up well for indoor use. If you plan to harvest your own greens this year, you should keep in mind some rules for pruning these trees and shrubs. The cuts you make now will affect the future appearance of your plants.

Yews and hollies can be freely pruned because new growth will be produced even from dormant buds in old wood. But it is still a good idea to prune judiciously, keeping in mind the overall appearance of the plant. It is probably better to remove a few larger branches than many small ends.

Junipers, false cypress and spruce will produce new growth from sidebuds that were formed last summer. Selected cuts should be made back to a side branch or bud and not back to old wood unless that branch will not be missed. It is only desirable to remove an entire branch if the plant is very misshapen or very dense.

Pines provide attractive holiday greenery but must be pruned with care because they make new growth only from buds formed at the end of the past seasons growth. Most cuts made on pines will be permanent so select with care the branches to be cut and always make that cut back to another branch.

Given some time and thought, harvesting holiday greens can be beneficial to your landscape plants as well as to you.

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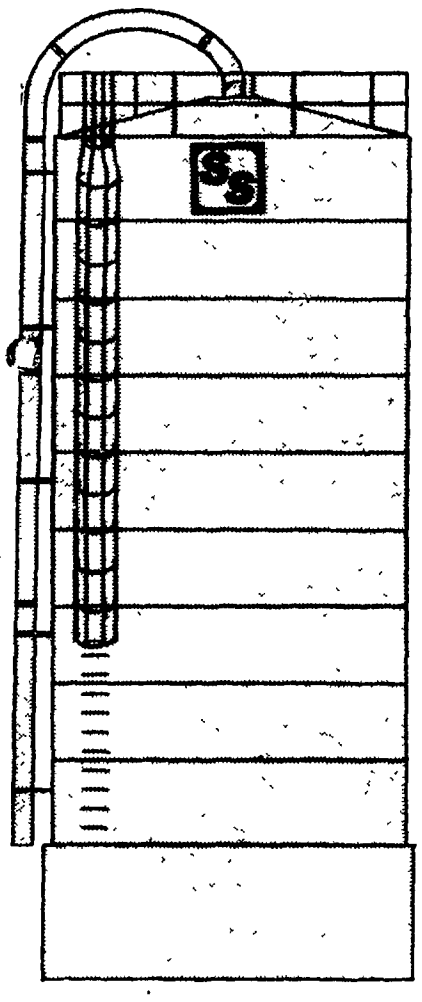

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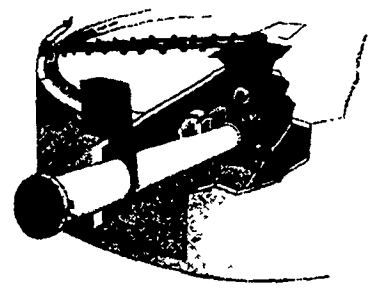

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Will consider farm trade

Hog breeder looks toward easing back a bit

BY DICK ANGLESTEIN

STEWARTSTOWN — After a start more than four decades ago in which he had to pool his funds with a partner to buy a boar, champion hog breeder John Strawbridge, of near Stewartstown, York County, is looking to ease into semi-retirement.

Oh, there will still be hogs in the future, but Strawbridge is eyeing cutting his breeding operation to about one-third its present size.

And as he looks to cutting back, the well-known exhibitor at KILE, Farm Show and the North American has added another top laurel to the countless banners and trophies that could more than paper most every room and fill all five fireplace mantels of his home that sets just about on the Pa.-Md. border.

Last month, he won the Market Hog Carcass grand championship at the North American Livestock Exposition at Louisville, Ky. It was his second carcass grand championship at the prestigous show, considered the premier gathering of hog exhibitors throughout the country.

As Strawbridge contemplates semi-retirement, he has a proposition for a young breeder who's looking for room to expand.

"I'm willing to trade these two farms on a smaller place that has facilities for about 15 or 20 sows or the capability to accomodate that number," Strawbridge said.

"I'd also be willing to let the difference in money in these places to help a younger fellow out."

John Strawbridge, veteran hog breeder and showman, stands in field of farm located on Pa.-Md. border near Stewartstown.

York boar, "He" sired the champion and reserve at KILE this year.

Of course, Strawbridge would like to sell his two adjoining farms, but the trade deal stands if the right place can be found.

The Strawbridge farms, gently rolling land near the Sechrist Auction, contain two homes and two sets of farm buildings and 120 acres. Some 105 are tillable. It is reasonably isolated and would be ideal for two Plain families to share.

The farms comprise almost a square parcel of contiguous land and presently house the 60 or 70 sow-herd of Yorks and Hamps that Strawbridge maintains.

"This is good land, just about like Lancaster County land," Strawbridge said.

"It has three springs and can supply all of the water that's needed. The springs have never gone dry and there's place for a pond on one of the spring-fed streams."

Strawbridge is looking for a smaller place in southeastern Pa., preferably southern Lancaster, York or Adams counties.

As he drives over the land, through corn stubble, over pasture and hay land, Strawbridge ex-

(Turn to Page B16)

The "Don" boar comes out of Tennessee.

"Zelos," Hamp boar is the sire of the 1982 market hog carcass grand champion at the North American Livestock Exposition.

This is the second set of farm buildings and home on the Strawbridge farm.

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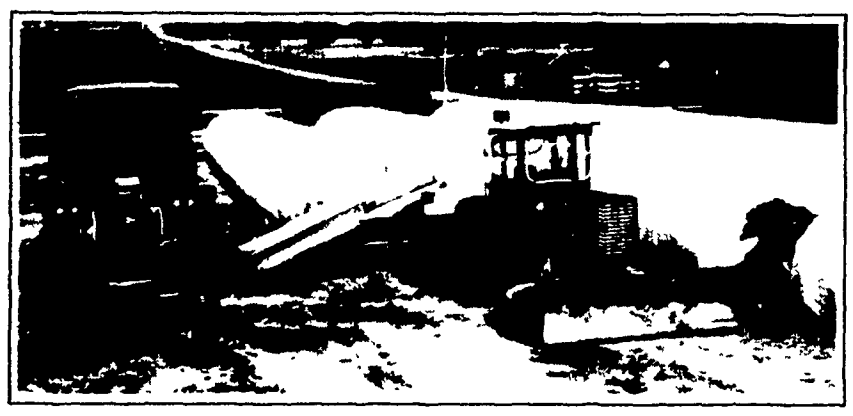

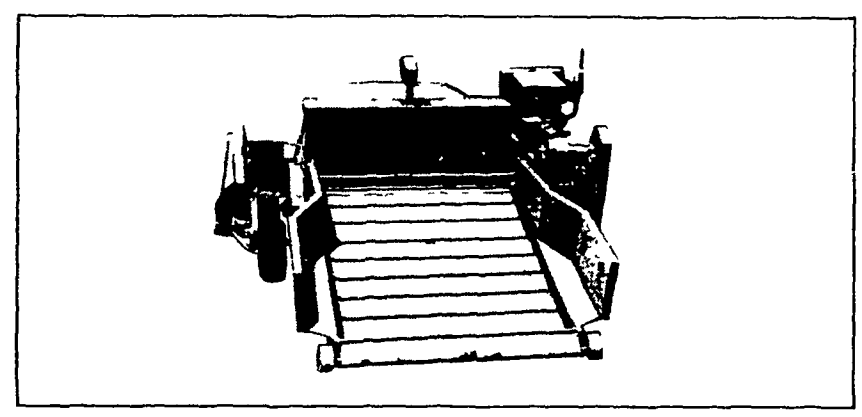

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Don Carter of Parkdale, Oregon

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Roland Rasmussen of Blair, Nebraska

"In addition to everything else, it's a management tool" says rancher, Roland Rasmussen of Blair, Nebraska

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Bert Anderson of Sceptre, Saskatchewan

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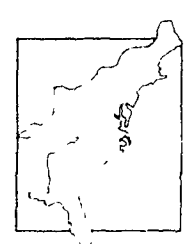

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Strawbridge hogs

(Continued from Page B14)

plains that he's taking the advice of the doctor and cutting back.

With familiar section of rubber hose in hand instead of a cane or whip, Strawbridge chases his bevy of boars out of their outdoor huts and proudly cites the pedigree of each.

Each of the big boars tips the scale at 800 lbs. or better and frisk around in the nippy air with snorts and grunts.

There's Zelos, the grand-daddy Hamp that came out of Missouri in 1977 when Strawbridge first won the carcass championship at Louisville. And since then, he's taken either the grand or reserve championship carcass or truck load at the top show.

Other top boars are "He," who sired the champion and reserve at KILE, "Don," "Trigger" and the son of the champion boar of England.

This year's champion carcass, which was 211 lbs. live weight, yielded 169 lbs., was 31.6 in length, had .5 back fat, a loin eye of 9.0 and was 69.56 lean.

"That loin eye was as big as a steer's," Strawbridge explained.

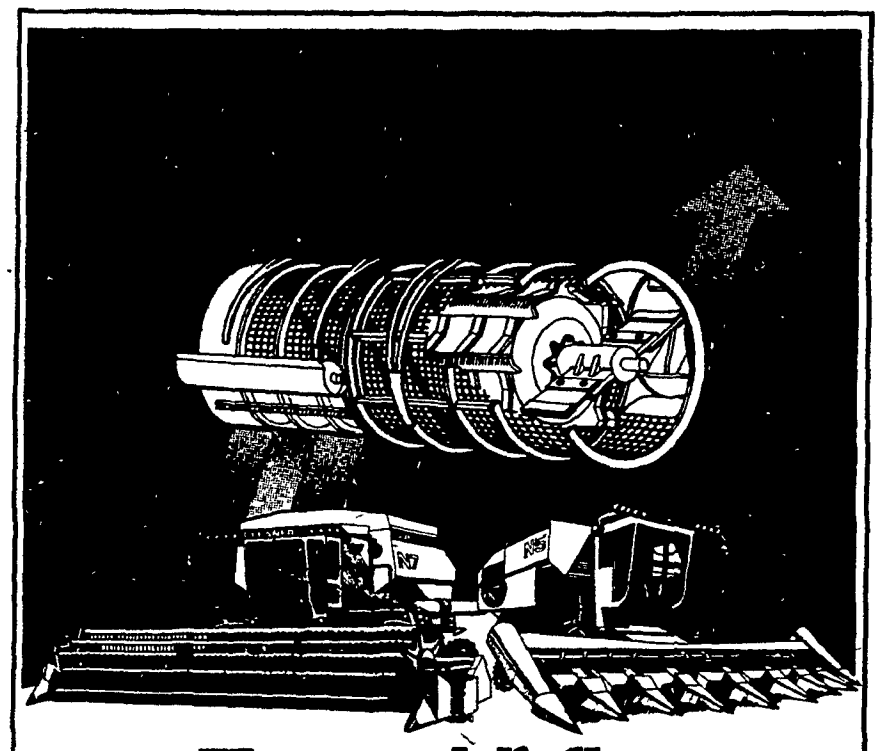
In the on-foot classes, Strawbridge hogs placed between first and 10th at Louisville. In the carcass competition, there were 90 exhibitors alone, from all of the top hog breeding states.

And now after a beginning with that first 4-H hog back in 1939, John Strawbridge will be easing back a bit.

But you can bet, he'll still be heard from at shows and still be a breeder that people will seek out as they strive to improve their own herds.

Hogs aren't the only livestock on Strawbridge farm. Here's a wild goose just begging to be Christmas dinner.

Best wishes for a Merry Christmas and heartwarming season.



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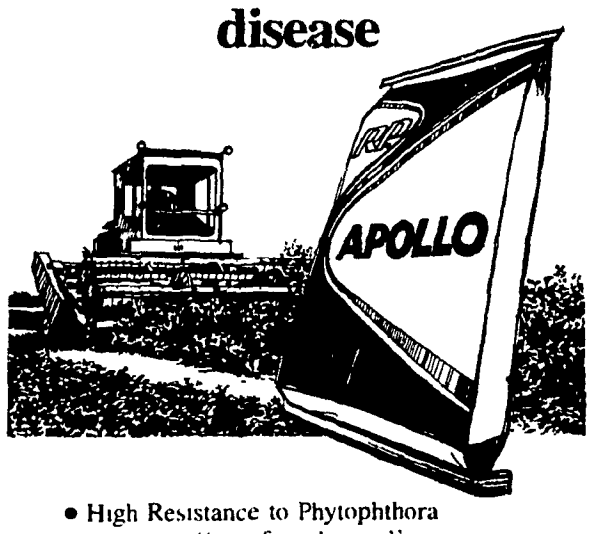

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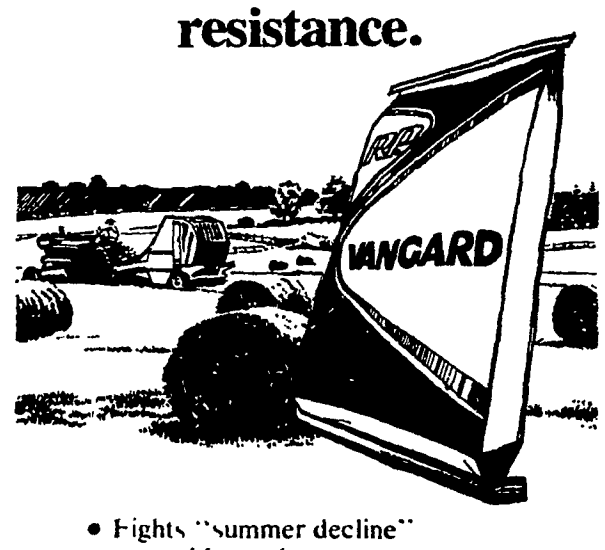

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A book is an ideal, easy-to-make gift for almost anyone on your holiday list. You can make it from ordinary papers and fill it with recipes for a new bride, snapshots for the grand-parents, or special poems for your sweetheart.

When the book is hand-made, it is a wooderful gift - filled or empty. Fortunate recipients of blank books may fill them with their own personal treasures.

Supplies needed for the book are papers, cardboard, cutting tools and glue. The cover may be fabric, wrapping paper, or hand-painted paper from an art supply store. If you're adventurous, you can even "marbleize" or hand-decorate, your own cover papers.

Here are directions for making a book:

CUTTING: For a 6x9-inch book, measure and cut as follows: 1.24 8½x11-inch pages of good-quality paper. 2. Two 8½x11-inch end-papers of colored paper. 3. ½x9-inch strip of cardboard for the spine. 4. Two 5¾x9-inch cover boards of cardboard. 5. 8½x1½-inch strip of fabric. 6. 10½x14-inch cover of decorative paper, fabric or watercolor paper to "marbleize."

MARBLEIZING: Optional. 1. Cover work area with newspapers. 2. Fill disposable, shallow pan with water. 3. Dot surface of water with oil-based paints. 4. Slide water-color paper under the paints in the water. 5. Lift paper out of water, letting the paint settle onto the paper in interesting, marblelike patterns. 6. Lay dipped paper on newspapers to dry.

BINDING THE PAGES: 1. Fold pages and end-papers in half, one at a time. 2. Run a butter knife along each fold to tighten crease. 3. Put pages together in groups of six. 4. In each group, stitch along fold with dental floss, nylon or heavy linen thread. 5. Stack groups together. 6. John groups by sewing the stitches together. 7. Run a line of white glue on top page near fold line. Lay one end-paper over the top page. 8. Turn pages over. Repeat step seven with remaining end-paper. 9. Glue fabric strip around folded edges.

COVER: 1. Lay cover boards and spine on wrong side of cover paper or fabric. 2. Leave ¼-inch between spine and boards and ½-inch margins all around. 3. When boards are positioned properly, lightly mark their places. 4. Remove boards; spray wrong side of cover with adhesive; press boards firmly back in place. 5. Fold in cover at corners. Fold in top, bottom and side margins. 6. Rum butter knife along edges to secure in place.

ASSEMBLING THE BOOK. 1. Close cover around pages. 2. Open front cover. Run a line of white glue along upper bound edges. Close cover. 3. Turn book over. Repeat step two. 4. Wedge book between heavy books, letting the spine stick out. 5. Let glue dry thoroughly.

FINISHING: 1. Glue outer end-papers to cover boards. 2. Let glue dry thoroughly.

Rural homemaking exhibit on display

BELTSVILLE, Md. — An exhibit entitled "Rural American Homemaking" is on display at the U.S. Department of Agriculture's National Agricultural Library, here.

the exhibit, which will be on disply through Jan. 21, shows examples of housekeeping and homemaking traditions from the 1800s to the 1940s.

Historically, the rural homemaker lacked many of the modern conveniences enjoyed by the homemaker in the city. The exhibit shows how rural homemakers relied on their creative ability to make family life more comfortable and efficient.

"Today, as in the past, homemakers strive to bring to their tasks of housekeeping many of the qualities that make for a successful executive in the business world," said Richard A. Farley, director of the library.

Housekeeping methods today bear little resemblance to the old tasks, said Farley. This display depicts the challenge of rural homemaking and includes volumes from the library's collection of the period on handicrafts, helpful hints, cookbooks and household management guides.

Enhancing the collection are many artifacts, including hand-made quilts, depression glass, kitchen gadgets, decorative kerosene lamps, sewing baskets and many other household items.

The National Agricultural Library is located off the Washington Capital Beltway (Exit 25-A, North) and U.S. Route 1 in Beltsville, Md., and is open to the public from 8 a.m. to 4:30 p.m. Monday through Friday.

Need a gift idea for plant lovers?

For the plant lover on your holiday gift list, the possibilities are practically endless.

The indoor gardener might appreciate shelves to hang in a window, or a long-spouted watering can. Or how about an unusual pot for displaying a favorite plant? Permanent labels or a plant diary are other ideas. A bonsai grower might be thrilled to get shallow Japanese bonsai pots, or a watering can with a very narrow spout.

Novel and unusual containers make perfect gifts for people who enjoy flower arranging. You can often find such containers in antique shops or at flea markets or garage sales. Also consider needlepoint holders, blocks of oasis foam or flower-cutting shears. For a personal touch, you might want to give young plants that you've started from your own favorites.

A more ambitious undertaking would be to put together a dish garden for a houseplant lover on your list. All it takes is a number of small plants — most of them fairly inexpensive — and a suitable container. If you want to give a plant, you might also consider giving an amaryllis bulb. These often come in special gift packs, potted and ready to water. The amaryllis is an excellent investment. With proper care, the same bulb can be made to bloom each year for 30 or more years.

An older, housebound person on your list might enjoy receiving a bowl of paper white narcissus that have been forced. These bulbs come along rapidly and produce fragrant white flowers that can be very welcome during the drab days of late winter.

Does your gardening friend have a mania for one particular type of plant? Almost every plant favorite has a national society. A gift membership will often provide a regular magazine subscription too.

Tools make excellent gifts, too, even if they do represent work. A garden trowel, hand weeder or mini-hoe are all possibilities.

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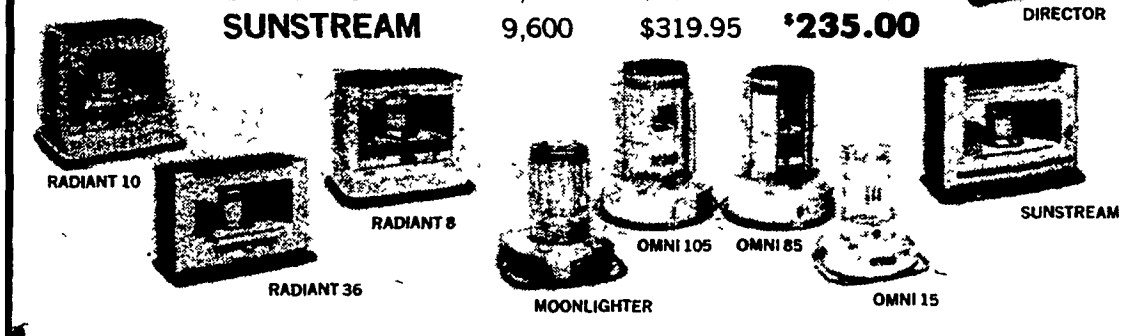

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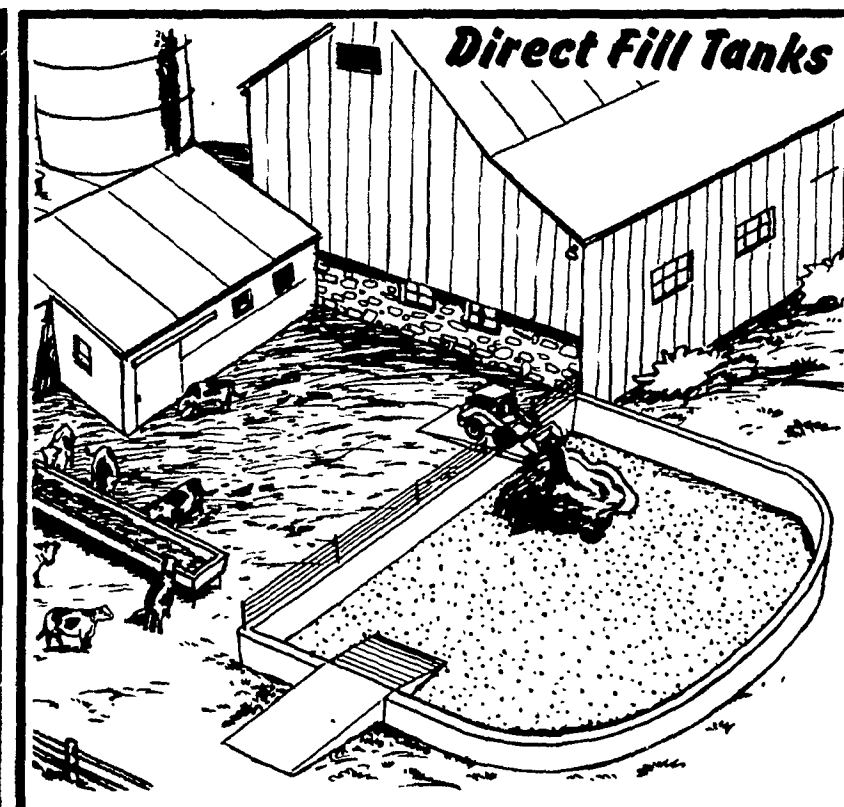

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F.W.S. Calendar

Saturday, Dec. 18

Lanaster Society 18 meets with Hazel Ulrich for a Christmas party

Lancaster Society 3 meets with Dorothy Fry for a Christmas party

Lancaster Society 26 meets to entertain husbands at Groff's Restaurant and to hear speaker Melvin Horst

Lancaster Society 5 meets for a Christmas luncheon

Monday, Dec. 20

Lancaster Society 31 meets for a special talents program

Toy chest may be the answer

LANCASTER — In our delight to give our children presents for the holidays, we sometimes forget that we're going to have to find some place to put the toys away. Will that crowded shelf really hold more? Is the drawer for games big enough for another?

Start with an unpainted wooden chest, a used chest from a garage sale, or one from your local thrift shop. If the chest has been used before, scrub it thoroughly inside and out with a detergent solution and then rinse and let dry.

If the surface is in good condition, sand lightly and wipe with a tackcloth so your paint (lead free of course) will adhere easily. If the surface is not in good condition, then you may need to spend a few more hours on a good sanding job, or you may need to consider an alternative surface treatment.

Enamel paint is harder than other paints and will stand wear and tear better. It's also available in a wide range of colors. Use one or more colors to decorate the toy box with designs, numbers, alphabet characters, or your child's name. You can even make patterns of cardboard and trace designs with a pencil before painting.

If you are more ambitious or talented, nursery rhyme or cartoon characters can be traced on the toy box and filled in with paint. Look through your child's books for examples and ideas. A gaily painted box to put away toys is a welcome addition to any child's room!

USDA cuts research planning team

WASHINGTON, D.C. — The U.S. Department of Agriculture's Agricultural Research Service is cutting its national planning and research direction team by 40 percent, effective immediately.

Thomas J. Army, deputy administrator of the agency and head of the national program staff being reduced, said staff scientists affected by the reduction are being reassigned to research positions in the agency. He said this will allow a shift of staff and funds from administration to research.

Terry B. Kinney, administrator of the agency, ordered the realignment of staff in line with Secretary of Agriculture John R. Block's policy to reduce operating and administrative overhead at the USDA.

Army said the national program staff, based in Beltsville, Md., is being reduced from 58 to 35 professionals.

New emphasis will be placed on planning, coordinating and analyzing priorities and for allocating resources across broader research areas, Army said.

Organizing the national program leadership into interdisciplinary and problem solving teams, he said, will enable the agency to increase emphasis on research programs of national concern, including natural resources, animal and plant sciences, human nutrition and product use.

Army said the reduced staff will continue to be the source of technical expertise within specific commodities, disciplines or subject matter areas.

According to Army, the reduced size of the national program staff "is the minimum number of people needed to carry out our agency's national program leadership functions efficiently and effectively."

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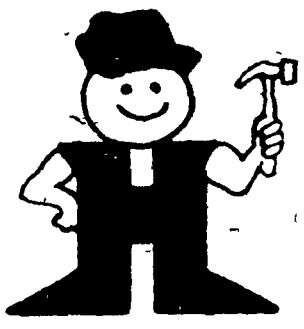

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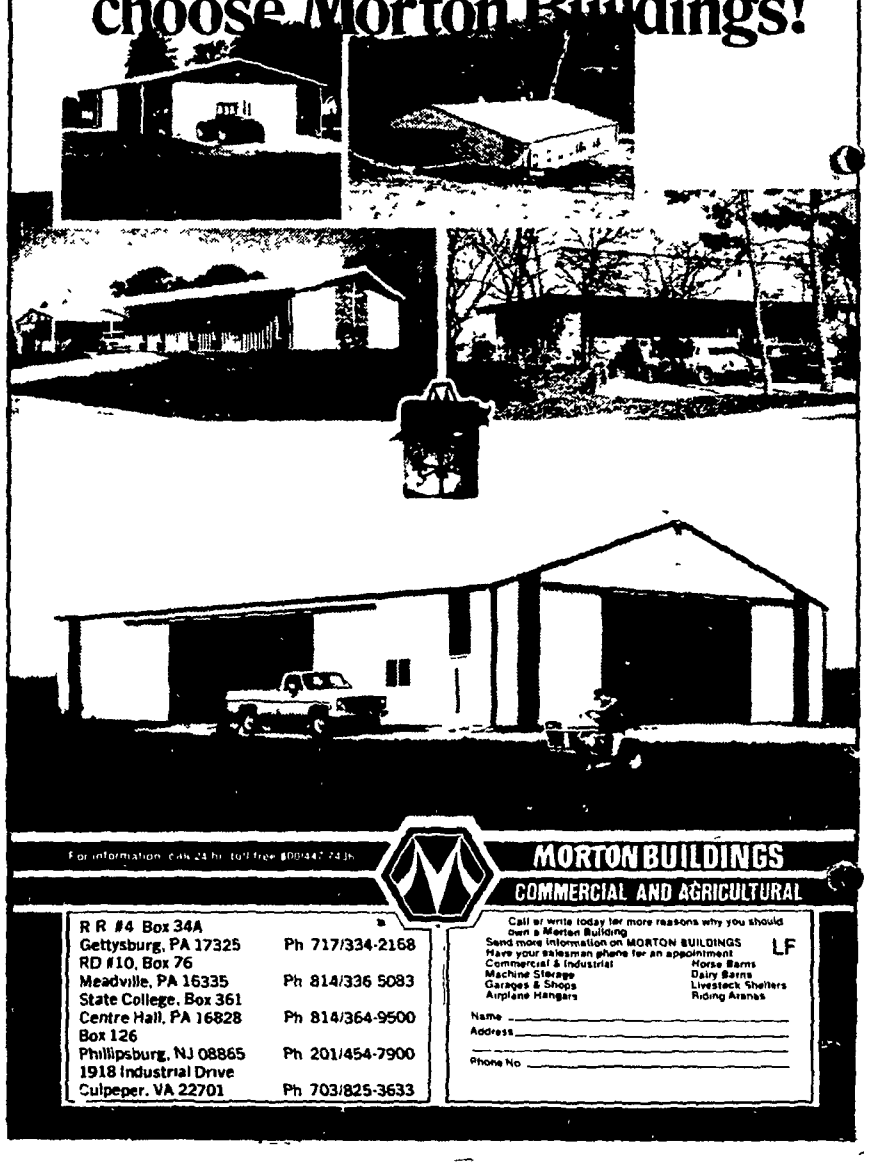

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

Food Gifts

Foods are popular gift items but require special buying and storage care if they're to be enjoyed completely.

Those food delicacies on display in the stores are probably dummy packages and shouldn't give you the idea that they can be stored at room temperature idefinitely. If you're buying a good gift package, ask the salesperson how the different foods in the package should be stored. Make sure the directions are included in the package before it's wrapped. And if there's a time delay between when you buy the item and when you deliver it, make sure you follow the storage directions yourself.

If storage directions aren't available, play it safe and refrigerate the gift foods.

If you receive a gift package of food, follow the directions for storing each item. The package may say that an item such as vacuumed packed salami may not need refrigeration. But if you don't plan to use the food right away, refrigerate it. Salami, for example, could dry out if left at room temperature too long.

Top quality canned goods should last up to a year. But before you eat any canned goods, check for bulges or leaks in the can. Sardine cans particularly have a tendency to bulge because of the bacterial action in the fish. If you see signs of bulging or leaking in any can of food, throw it away.

Cheese is a popular gift item and if you receive more than you can eat, it's best to freeze. To freeze cheese, cut it into normal serving chunks, secure each individual piece tightly in plastic wrap, place the pieces in plastic bags and freeze.

When you're ready to use the cheese, take out only the amount you need and place it in the refrigerator to defrost slowly for a couple of days. If cheese defrosts too fast it may be crumbly. Defrosting it slowly in the refrigerator will help the cheese keep its creamy texture. Most cheeses, except cottage cheese, will freeze well.

Other popular food gift items include nuts, jams and jellies, all of which should be refrigerated after opening. Nuts can also be frozen to prevent them from becoming dry or rancid — this applies even to nuts in the shell. Some canned hams also require refrigeration — read the label.

How To Choose A Handbag

Handbags are good holiday gift choices. There are many sizes and shapes which can be carried throughout the day or season. When selecting a handbag as a gift, decide whether it's to be an all-purpose type or one for a specific occasion. The style and color might be different.

If the handbag is to be an all-purpose bag, select a color which goes with everything. Camels, tans, and rusts coordinate easily with black, brown, navy, gray or green.

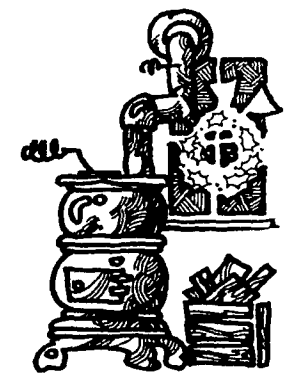
A roomy bag will be welcomed by all women. The opening should be wide enough to easily put articles in or take them out. However, the opening should not be such that the bag would be readily accessible to everyone else.

Check fasteners carefully. The spring-type catches are easily sprung, making the bag likely to fly open. Bags with flaps and fasteners which have to be inserted and turned are more secure. They're difficult to get into on shopping trips, however. Zippers should be easily zipped. Check to make sure zipper teeth work easily.

Handbags with two handles are more balanced. Ball-like feet on the bottom of a rigid box-like bag help preserve the materials from which the bag is made.

Whether the bag is made of leather, vinyl or fabric, quality materials are readily recognizable. A bag with a quality look will be appreciated. Sometimes the lining in a handbag is as attractive as the outer fabric. Inside pockets make safe places for carrying keys, change and other small items.

The personality of the gift recipient should also be considered. A more tailored-type purse would be appropriate for some individuals, while the casual pouch-type bag would be in keeping with the life style of others.



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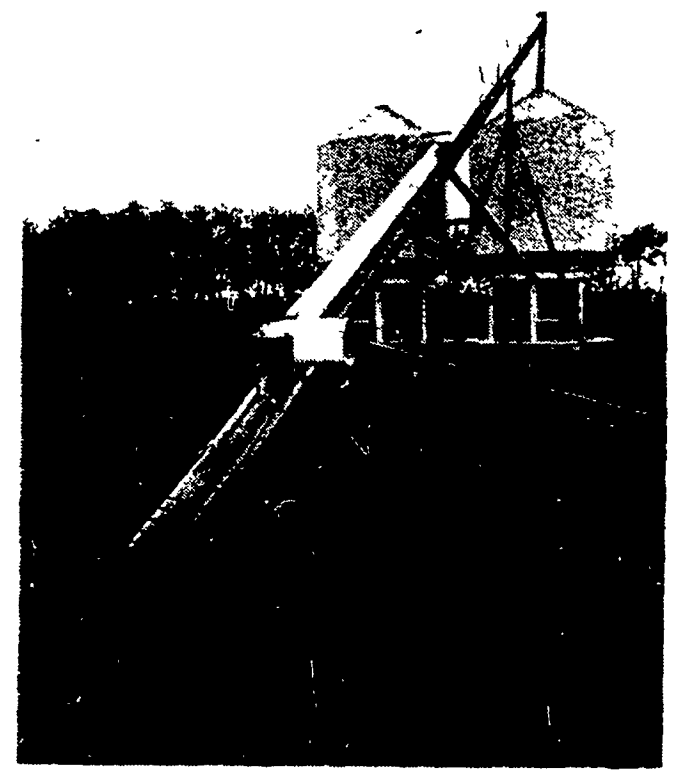

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Salt is becoming a four-letter word

LANCASTER — Contrary to the impression conveyed by the current furor over the amount of salt in the American diet, the question of whether the general public should cut down on salt is still controversial, the American Council on Science and Health reported recently.

In the Nov./Dec. issue of ACSH News & Views, researchers Ruth B. Schwartz and Kathleen A. Meister state that "medical experts disagree vigorously over whether reducing dietary salt to a level below that which Americans typically consume would decrease the number of people who develop hypertension (high blood pressure). Some scientists might even contend that the current hoopla over salt is overblown, and should be taken with a grain of same."

Hypertension is a major health problem in this country. As many as one in five or six Americans may develop this condition at some time during their lives. Hypertension is a significant disease in itself, as well as a contributing factor in heart attacks and strokes.

In recent months, evidence associating hypertension with excess intake of salt and other sources of sodium has received extensive attention.

"The current trend toward increased sodium labeling of foods and increased availability of low-sodium foods is valuable, because it will enable those hypertension patients who have been told by their doctors to decrease the amount of sodium in their diets to comply more easily with this medical advice," said ACSH Associate Director Dr. Richard Greenberg. "The question of whether the general public should reduce sodium intake, in an effort to prevent, rather than treat, hypertension is more complex.

"Some health authorities advocate this dietary change," Dr. Greenberg continued, "but it's important to note that most of these authorities recognize that the case for their recommendation is less than definitive. Also, avoiding all sodium-rich foods could inadvertently reduce a person's intake of essential nutrients such as calcium."

ACSH Executive Director Dr. Elizabeth M. Whelan said, "One of the dangers of general dietary guidelines that appear to promise disease prevention, such as the popular advice to cut back on salt, is that they may give those who follow them a false sense of security.

"It is unlikely that moderate reduction of salt intake will prevent many of the people who are susceptible to hypertension from developing this condition. It is important, even for those who may reduce their salt intake, to have regular blood pressure checks, since the onset of hypertension occurs without any obvious signs or symptoms."

The American Council on Science and Health is an independent, nonprofit consumer education organization promoting scientifically balanced evaluations of food, chemicals, the environment, and human health.

Penn State offers tax tips

UNIVERSITY PARK — Tax laws are changing fast! Even if you don't have a cool million to manage, you may be able to hold on to more of what you have if you take advantage of the following timely tax tips.

If you are planning to have an optional operation — one you know you must have in the near future but can schedule at your convenience — do it now because after the start of the new year many of its related expenses will no longer be tax deductable.

By January, you will only be able to deduct unreimbursed medical expenses that exceed 5 percent of your adjusted gross income. You will not be able to make the current $150 deduction for private health insurance, and you may not be able to deduct the uninsured costs of the medical-related equipment you need.

If it's time to renew your car insurance or homeowner's insurance, you might as well raise your deductible because beginning next year, very little of your casualty and theft losses can be deducted from your income tax. Now you can deduct all but the first $100 of your loss. But by next year, you will have to add 10 percent of your gross income to that figure before you can make a deduction. You might as well enjoy a lower monthly premium since you will have to cover most of your loss anyway. But be sure to keep your insurance to cover large losses!

Don't be surprised when you find you have to pay taxes on your unemployment compensation. If your income in 1982 was $12,000 or more — $18,000 if your are married not including your unemployment benefits — you will have to pay tax on the benefits you get.

Declare all your taxable income regardless of past practices. Beginning next year, the new tax laws allow the Internal Revenue Service to be much more agressive about collecting unreported income. If you receive tips, an income from selling products from your home, or engage in any other profit making enterprise that you think may be difficult to trace, don't be tempted. Report it all because chances are, you'll be caught if you don't.

Proper feeding increases milk production

UNIVERSITY PARK — Now is the time for dairy farmers to evaluate their feeding program and the production level of their cows, says Sam Dum, Penn State Extension farm management specialist.

Over the years DHIA summaries have indicated that higher producing herds have had consistently better returns over feed costs than lower production herds, Dunn notes. For example, 1981-82 DHIA summaries showed that with Holstein herds, returns consistently increased as herd milk production levels increased. Returns over feed costs more than tripled, $449 compared to $1,510, when milk production slightly more than doubled, 8,100 pounds of milk compared to 17,800 pounds.

As milk production levels increased, approximately the same quantities of forages were fed but consistently greater quantities of grain were consumed by the cows, he points out. The highest production group (17,800 pounds of milk) consumed 65 percent more grain than the lowest group (8,100) pounds of milk, 7,260 pounds of grain compared to 4,410 pounds of grain, respectively.

To obtain more profitable levels of milk production, adequate levels of grain feeding must be provided to meet the nutrient requirements of cows with high production potential, explains Dum.

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Franklin Co. elects ASC community committees

CHAMBERSBURG — Results of the Dec. 6 election of Franklin County ASC Community Committeemen were announced today by D. Merle Baughman, County Executive Director, Franklin Country Agricultural Stabilization and Conservation Service.

The elections were held by mail, and ballots were tabulated publicly by the incumbent county ASC committee at the Franklin County ASCS office on Dec. 9.

Farmers elected to the committees include the chairman, vice chairman, regular member, first alternate and second alternate, listed respectively as follows:

Lemaster Community

Peters & Warren townships - Carl Stuff, Mercersburg; Edward W. Brake, Mercersburg; Carl P. Hartman, St. Thomas; Raymond Hawbaker, Lemasters; J.C. Funk, Mercersburg.

Mercersburg Community

Montgomery Township - Jere Hissong, Mercersburg; L. Alfred Weller, Jr., Mercersburg; Harry Hamil, Mercersburg; Clarence Stouffer, Mercersburg; Michael V. Flannery, Mercersburg.

Greencastle Community

East & West Antrim townships - Richard Harshman, Chambersburg; Norman Kennedy, Greencastle; J. Thomas Shook, Greencastle; Franklin C. Barr, Greencastle, Amos Martin, Greencastle.

Waynesboro Community

Washington & Quincy townships - Amos Egolf, Waynesboro; C. David Layman, Waynesboro; Emory Martin, Waynesboro; Charles Moore, Jr., Waynesboro; E. Berlin Stull, Waynesboro.

Guilford Community

Guilford Township - A. Henry Brechbill, Chambersburg; Carl Pugh, Chambersburg; Alfred Burkholder, Fayetteville; Paul E. Martin, Chambersburg; John C. McKenzie, Chambersburg.

Scotland Community

Greene township - J. Nelson Wengert, Chambersburg; Merion Mooney, Shippensburg; Samuel W. Musser, Jr., Shippensburg; J. Elden Eby, Chambersburg; Theodore Small, Chambersburg.

Orrstown Community

Letterkenny, Lurgan, Southampton townships - Roy Kendig, Orrstown; Wayne Beidel, Newburg; P. Joseph Musser, Newburg; Frank Heberlig, Newburg; Clarence Martin, Shippensburg.

Dry Run Community

Fannett & Metal townships - Floyd Hammond, Spring Run; Lyle Umbrell, Doylesburg; Gerald Best, Doylesburg; Harry Gingrich, Dry Run; George Steck, Jr., Dry Run.

St. Thomas Community

St. Thomas & Hamilton townships - Norman Roseberry, Chambersburg; Chester H. Nicarry, Chambersburg; Omar Witter, Greencastle; J. Robert Meyers, Sr., St. Thomas; Clarence Burkholder, Chambersburg.

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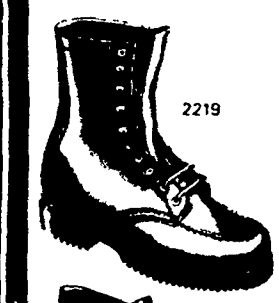

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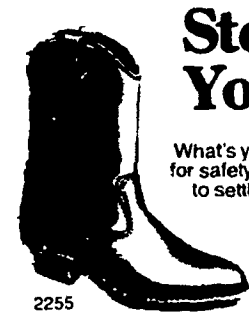

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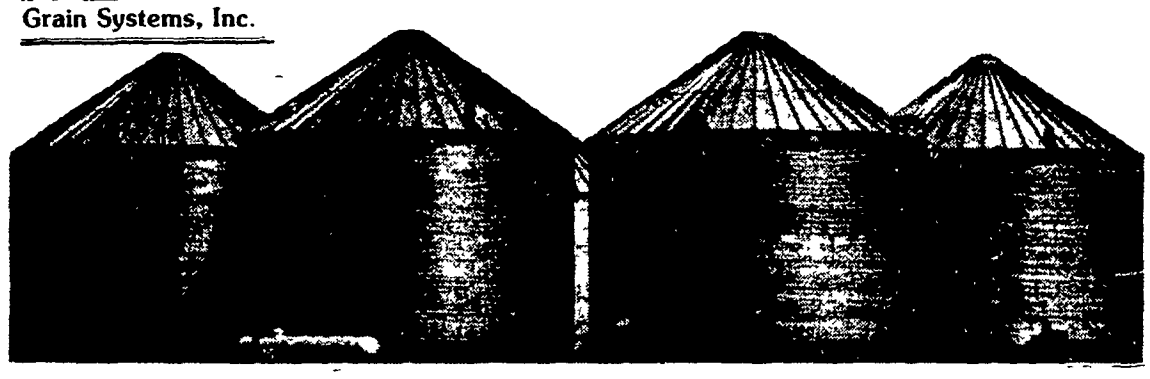

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USDA's seed collection like "money in bank"

BELTSVILLE — Md. — The Small Grain Collection is an invaluable investment for the future of our grain crops, said agronomist David H. Smith, Jr., the curator of this U.S. Department of Agriculture seed collection. The collection contains seed samples or "germplasm" from small grains gathered from more than 80 different countries.

Some of these samples are irreplaceable, Smith said. "Agriculturally important plants have disappeared from nature because of industrial growth, population pressure, and intensive grazing in some areas. Also, improved agricultural varieties have crowded out native plants."

The collection is priceless insurance in the event that a pestilence or disease would threaten our grain crop, Smith said. In 1962, when the cereal leaf beetle became a problem in the U.S., a wheat variety found in the collection was found to repel the beetle. The resistant variety, initially collected in USSR in the 1920's, was located and produced several popular resistant varieties, including the so-called "Downy" wheat.

USDA has been responsible for collecting agriculturally important seeds since the organization of the Seed and Plant Introduction Office in 1897. The Small Grain Collection now contains over 100,000 seed samples, including 37,000 samples of wheat, 25,000 of barley, as well as rice, oats, rye, triticale (hybrid of wheat and rye) and Aegilops (wild ancestor of domestic wheat).

The goals of the collection have been the same since 1897: gathering and preserving plant material that may promote crop improvement; guarding against the introduction of new diseases, insects, or weeds; and distributing germplasm to plant breeders and researchers, according to Smith.

The Small Grain Collection at Beltsville Agricultural Research Center is a part of the National Plant Germplasm System, a coordinated network of Federal and State institutions which safeguard our nation's plant germplasm. The National Plant Germplasm System includes two different types of collections — base collections for long-term storage of a wide variety of germplasm, and working collections in which seeds are stored, cataloged, and made available to users.

As a working collection, the Beltsville collection is continually adding samples and distributing them to plant breeders. Seeds samples have been collected in Asia, Europe, United States, Australia, and New Zealand, and also Africa, South and Central America, Mexico, and Canada. Seeds from the collection are distributed for experimental purposes at no charge. About 70 different countries request seed samples each year, according to Smith. In 1982, the Collection received 456 requests, distributing approximately 117,000 seed samples.

MAILBOX MARKET

Wanted - two sets of work harness for light type horses Also a pair of Clydesdale horses Bucks Co ph 215 766 8787

For Sale or Trade, A.Q H A , Sons of "Skip Sioux," and, Poco Shade ", 1982 Percheron, Sons of, "LaDonald," Centre Co , 814-466 6606

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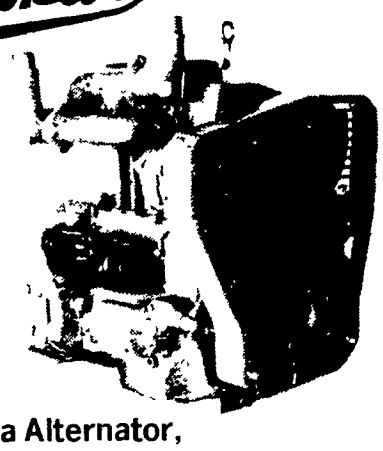

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Air-Cooled & Liquid-Cooled Diesels Available Up To 100 HP

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WARREN M. HALLIGAN

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(717) 768-8446

Corporate office KIRLOSKAR, INC. (301) 247-2110
76-78 Alco Pl., Baltimore, MD 21227

MAILBOX MARKET

For Sale - Butchering Muscovey Ducks, Daniel B Stoltzfus, Christiana R2 Pa 19509 Lower Valley Rd. Lanc Co

For Sale - Kerosene heater $25 Electric 220 volt heater $25 Ruger Super Bearcat in original box $200 York Co. 717-244-7913

For Sale - Custom Gravely tractor, rider, 30-inch rotary mower $650. 215-358-1923 even Del Co.

For Sale - Pomeranian puppies, ready for Christmas David Stoltzfus, Gap R1 Box 470. Millwood Rd., Pa. 17527 Lanc. Co

For Sale - '68 GMC 2½ ton, truck w/600 gal. tank w/10 gal minute Bean pump. 717-786-3502 after 7 p m Lanc. Co.

Wanted 4 post Rops frame for Case 1270. For Sale - Case 1201 powershift, 600 hrs , $9700 Lanc Co 717-872-8659

For Sale - Reg. Belgian stud colt Best of breeding David J Yoder, R1 Box 55 Meyersdale, Pa 15552 Somerset Co

For Sale - Complete kit to convert standard Chevy, Ford, Dodge or GMC pick up into dump truck, $550 Northampton Co 215 767-9039

For Sale - Impressive Gray Brahma bull 1800 lbs $950, portable steel corral panels, 26 livestock gooseneck $975 Adams Co 717 334 7724

Notice - For Rent - 150 A Tillable land Cumberland Co. East of Newville High Fertility - Level Fields $30-$35 Per Acre Evenings 301-635 2481

For Sale - Registered thoroughbred horses suitable for breeding, showing, riding or racing. Starting at $700 717-898-6232 Lanc Co

For Sale Gravity bin and wagon, wagon gear, 12 A Manure spreader, JD 12 ft harrow Lanc Co 717-442 4510

For Sale 30 Chesnut boards, 1 1/8" x 7 ' x 90" unplaned 25 used Chimney block, 8x16, $1 ea. Benjamin S Allgyer, RD #2 Narvon, PA 17555

For Sale - Scales, weight 30 lbs lt give price per lb in good cond 717 872 5518

For Sale - 16 acres home w/basement porch steam heat barn stream and woods RD1 Box 60 Groff Rd Millington, MD 21651

For Sale - Omaha V type snow plow and dozer blade w/lift group for Cat 12 grader Montgomery Co 215-287 9616

For Sale MF 1155, 2035 hrs good cond $13,000 MH444 gas, live pto $2,000 Yates Co N Y 716 554 6648

For Sale Wagner Front end loader $250 2 8 hole hog feeders with lids $50 ea Leb Co 717-933 5523 eve

For Sale - Rosenthal (steel) #40 corn husker good cond $335 JD model E manure spreader good cond Fishersville, VA 703 943-1321

For Sale Reg Quarter horse gelding, Red Dun, 6 yr old, 15 0 hands, exc conformation and breeding Lycoming Co 717 435 0319

Wanted 20 tons dry caged chicken manure delivered and spread, delivered or picked up To Abbottstown Adams Co 717 624 8407

Notice Miniature Collie Stud Service Sam and John Stoltzfus c/o Eli K Stoltzfus, Parkesburg R#2 Box 600 PA 19365

For Sale JD 14T baler works or for parts $200 Ford tractor as is needs overhaul $600 York Co 717 741 0088

For Sale Springwagon 1 yr old hyd brakes on steel $875 Wanted wide front end for Farmall H 215 354 6183

MAILBOX MARKET

For Sale - Heavy duty loader to fit MF 35 tractor, front pump 2 spool valve, Somerset Co. 814-445-7309 after 5 p.m

For Sale 18 can milk cooler, can hoist, good cond , Levi R. Beiler, 225-A N Hollander Rd , Gordonville, Pa. 17529.

For Sale - VG-4D Wisconsin engine for parts, best offer over $50. Lanc. Co. 717-665-6815.

For Sale - Will board heifers this winter. $1.25 per head per day includes feed Lanc Co. E-town — Manheim area. 717-665-7284

Wanted - Jamesway unloader, any size, in usable cond., also tripot Berks Co. 215-683-7994.

For Sale - Six year old standard bred carriage horse broke, 17 H. Benj G King, R3 Box 457, Quarryville, PA 17566.

Wanted - Veal calf pens and large underground manure tank, good cond., 717-354-0338.

For Sale - Matched, black, standard bred driving team. Also saddle broke, must sell. York Co. 717-774-6837 Call anytime

For Sale - New Holland 5 HP gas engine, oil burner and boiler, 100,000 BTU for home 717-393-7452 eves Lanc Co

For Sale - Western youth saddle in good cond , $65. Nylon yearling halter, practically new $8 717 244-3146 York Co.

Wanted Electric incubator in good cond., 300 to 600 egg capacity 717-438-3563 after 5 p m. Perry Co

For Sale JD 3020 w/power shift $5300 Camper top for small truck Webster fertilizer spreader & electric forklift Berks 215-777-0052

For Sale - Springing Registered Holstein cow due w/3rd calf Last years record over 18,000 4.5% Reasonable 717-687 8893 Lanc Co

For Sale - Nice small Majestic wood/coal range, tan enamel w/warming shelf $275. Also antique parlor wood stove, $100 Leb 717-949-2195

For Sale Antique ladder back chairs, hickory split seats, end table 717 292 1566.

For Sale JD 1440 corn planter 30" rows, no-till attachments, liquid fertilizer, insecticide boxes, $2800 Juniata Co. 717 527-2471

For Sale 42' Dynamark snow blade $125 36' Dynamark snow thrower attachment $450. Call after 5 p m Cumberland Co 717 486 7819

For Sale Great Christmas gift, Black pony rides, drives, gentle, lovable $100 Pony harness & cart $100 Perry Co 717 834 4834

For Sale 1 AQHA weanling colt, 1 yearling filly, 13", Tex tan youth saddle, 717-933-8063

For Sale Selling all young breeding stock Chow Chows, Mastiff German Shepherds, Pugs, Chihuahua, Boston Terrier, 215 267 7381 Lanc Co

For Sale Black Nubian Billy Goat, service age Lanc Co David F Beiler 229 Hollander Rd Gordonville, Pa 17529

For Sale Beautiful Reg Quarterhorse mare Champion bloodline, pleasure deluxe, very gentle Also Ted Flowers Parade Outfit, exc cond 814-445 6358

For Sale Bumper new Ford van rear bumper, $40 Never installed Fits all years 1977 1983 Luz Co 717 256-7890

For Sale Servel 2 door gas refrigerator in good cond , $350. Wanted - fan for No 400A Warm Morning coal heater. 717-656 9565

MAILBOX MARKET

For Sale - New Ford truck fenders. '42-47 left front - big truck $85, '57-'60 left front F350 - F600. East York Co 717-252-3130

For Sale - 4 Reg. Hol heifers, due Dec. - Moonshot, Jeepers, Jemini & Superior. Call after 6.00 p m , 717-865-3117. Leb Co.

For Sale - 3 pt. hitch w/top link off 3010 JD $150. 22' 5th wheel trailer & hitch, Luz. Co 717-759-0921.

For Sale - JD 1964 4020 cab dual hyd. good cond Mod. 350 JD 5 bottom, 16" plow. Lackawanna Co., 717-587-1271.

Wanted - Metal turning lathe w/threading - approx. size 9 or 10 inch w/tooling if available. Call any time 717-433-4440.

Wanted - Dump truck, single axle, Diesel 1970-1980, GVW at least 28,000 lbs. Luzerne Co. 717-735-5452 after 5 p m.

For Sale - Great Christmas gifts, Half purebred Doberman pups, big and healthy $10 Fulton Co. 717-485-4927.

For Sale - Hot water stoker furnace, good cond., Franklin Co. 717-532-5493

For Sale - Bunnies - cute & cuddly, dwarf bunnies, ready for Xmas, also New Zealand Whites, Cecil Co , 301-398-6551.

For Sale - 3 pt. Cultivator, IH flail chopper, corn sprayer, two JD grain drills, one horse wagon 717-362-9842.

For Sale Pigs, half or whole, special fed Custom butchered and Hickory smoked to your choice. Bucks Co 215 795-2628

Wanted - 200 amp Miller wire feed welder, single phase, 717-354-0595 Lanc Co

For Sale - Forklift w/500 lb front wt for tractor $400 Newer model Ontario grain drill, $1200 value $450 717-672-2021.

For Sale Landis No 1 harness stitcher, working cond., Henry H. Miller Jr., Wyoming, Del , A-1 Box 85.

For Sale Cute AKC Mastiff puppies, had shots, are wormed. Lanc Co 717 529-6535

For Sale - 10 yr. old Morgan mare bred back to foal in spring. Old Gruber wagon. 717-768-3052 ask for Sol

For Sale New 1240 plateless cornplanter units, $200 ea Gideon F Stoltzfus, R2 Gap, Box 2276, Pa 17527

For Sale Beef cows, 3 way cross Due w/2nd calf Starting March, $425 Berks 717 933-5736

For Sale - AKC Reg German Shepherd puppies, bloodlines, Lanc Co. 717-354-8116

For Sale - Secluded 157 acre farm w/stream, 87 tillable, 2 story house, bank barn, - income property, $157,000 Columbia Co 717-925 6827

For Sale Bicycles 27 Schwinn 10-speed (light brown) Excellent condition, $130 Also, 27 Murry 10 speed (black) $85 717 426 1395

For Sale Purebred Keeshound pups, 6 wks old, $45 Gideon Stoltzfus, Box 232A, Snake Hill Rd , Bird in-hand, Pa

For Sale New 24 silo roof $900 717 687 6672 eves Lanc Co

For Sale - NI hay conditoner Deere RR2 3 pt cult., Simplicity snow blower, good cond , Bucks 215-598 7667 after 6 p m

For Sale Cider apples, only $1 99 per bushel. Also, 1979 Ford 350, 12' stake body, like new. Lanc Co 717-872-5263.

For Sale Majestic cook stove coal/wood. fair cond . Lanc Co 717 354 6234

MAILBOX MARKET

Wanted - Blower w/recutter Daniel B Stauffer, Rt. 1, Box 416, Port Trevorton, Pa 17864.

Notice- Trade- 31' cabin cruiser boat, twin engine, boat is in Maryland now. Want farm equipment. Atl. Co., NJ 609-625-1470.

Wanted - Used plastic mulch layer, 2 btm. plow. Monmouth Co., 201-842-0730.

Wanted - Pygmy billy goat, good stock, Lanc. Co. 717-733-8710.

For Sale - School desks, used. Lanc. Co. 215-267-5209.

For Sale - 3 pt. 2 row AC cornplanter $125. Used Wards ½ hp well pump. Cecil Co., Md. 301-658-4599.

For Sale - Reg. Nubian buck service. Dauphin Co 717-566-0724.

For Sale - 24' stake body, steel frame rails, high sides and tin roof, sides could be cut down. Berks Co. 215-286-5311.

For Sale NH 718 Harvester w/2 N.R. cornhead $3700, also wanted-vacuum manure tank spreader, 717-733-2584, Lanc. Co.

Wanted - Used Starline cow stanchions, write price & condition, Amos F Stoltzfus, R3 Lititz Box 302, Lancaster Co., Pa. 17543.

For Sale - Case 830 diesel tractor, power steering, new rear tires, exc. cond. $4000. 301-883-3722 before 8 a m.

For Sale - Hy Hoe hydraulic backhoe mounted on F600 Ford truck, full swing w/outriggers 201-469-4968 Somerset Co., NJ after 5

For Sale - 2-12 hole Pride of the Farm hog feeders with cast iron bottoms needs some repairs $25 each 717-354-0810

For Sale Newfoundland pups, AKC, black, 1 year written guarantee, shots, dewormed, $350 & $400. York Co. 717-432-5894

For Sale - 2 Reg Hol heifers, due March Apollo-Elevation bloodlines, FH tractor, ½ hp cooler compressor, Chester Co 215-486 0460 evenings.

Wanted - Used gas tractor, wide front, 3 pt hitch, 30-45 hp, good cond , Bradford Co 717-888-7313

For Sale - Rotary model, 73 Delaval milker unit, A1 shape $200 #22 Interprize meat grinder, $40 York Co. 717-252-2317

For Sale ½ hp Myers water pump and tank, exc cond., like new, paid $465, asking $200. Lanc Co. 717-354-9127.

For Sale - Muscovey ducklings, Daniel L Stoltzfus, Bird-in-Hand, Snake Hill Road, Lanc Box 289, 17505.

For Sale 40 cow barn, 8" blocks, aluminum roof, trusses, 3 12x40 silos, cheap, Hunterdon Co 201-479-4807.

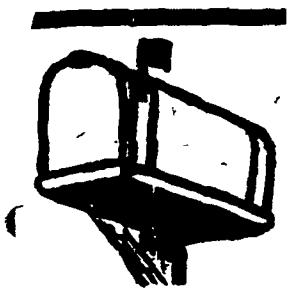
Wanted AC HD6 to be used for parts - Artic Cat Kitty Kat snowmobile. For Sale - AC WD 45, Perry Co 717-582-8171

For Sale Christmas gift for the 'Down Cow" A 'Cow Buoy" could save her life Baltimore Co , Md 301-239 7326, 239 3393, 374-2098

For Sale - 1970 Chevy, 60 series, 30,000 GVW, air brakes w/rebuilt 24' Schwartz roll-back bed, $6000 Franklin Co 717-762-6705

For Sale 2 New Idea manure's- 10A and 14A, both in good shape. Aaron E. Stoltzfus, 3081 Phila. Pike, Bird-in-Hand, Pa.

For Sale - Overhead Radiant heater, gas, for milk house, shop or barn, non-electric thermostat 717-354-5691.



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Lancaster Farming
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Lititz, PA 17543

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MAILBOX MARKET

For Sale - 16 hole Smidley hog feeder - optional 1 ton extension - no roof, Trojan hog waterers. Lanc. Co. 717-367-2116.

For Sale - 1979 Ford 350 Truck, dual wheels, 4 speed, 400 eng., steel body, 2 hitches, $5000. Flemington, NJ 201-782-0688.

Wanted - Chicken nests, Jamesway battery brooders, and turkey feeders. Allan Case, Brodbecks, Pa. York Co. 717-235-2050

For Sale - Yellow Jersey sweet potatoes, red, yellow delicious and winesap apples. Lanc Co 717-665-4641

For Sale - Two Reg Holstein bulls, both from Astronaut and from Ex dams Records to 24,000m 1100F Carroll Co 301 346-7357

For Sale - Girls 24" 3 speed bicycle, like new. Nice gift, cost much more when new. $100. Lanc. Co 717-656-7108.

Notice Person with experience desires farm work several evenings and Saturdays in Mt. Joy area Lanc. Co 717-426-2707

For Sale - AC-G Tractor hydraulic lift, plow, cultivator, completely disassembled, less tires. $1200. Mercer Co 609-771-3664.

Wanted - Chain link fence For Sale Large old jelly cupboard York Co 717-382-4629

For Sale 1967 3/4 ton Ford pickup truck, 4 speed, farm-truck, V8, $250. Schuylkill Co 717-345-4995

For Sale - Alfalfa hay $110 ton. Service age bull, good records, $650 John Z. Fisher, Kirkwood, R1, Pa 17536

For Sale - 7 yr. old saddlebred carriage horse, needs work Elam F Stoltzfus, 210 Farmland Rd, 17540

For Sale or Trade- Ear Corn for feeder cattle or beef cows, can deliver Centre Co 814-364-9926 after 6 p m.

Wanted - herd of good dairy cows around Feb 83, also need some used rubber mats Ph 717 899-6121 Mifflin Co

For Sale One 14 x 30 rear tractor tire, 90%+ tread, very good condition. Carroll Co 301 829 2170. Call after 6 p m

MAILBOX MARKET

For Sale - 24 Angus brood cows w/11 calves and cows breed back again, Priced to sale. 717-375-2304 evenings. Franklin Co.

For Sale - 1976 Ford F350, 12 ft. alum Van Box w/overhead door, exc. cond., $4000. 304-726-4330.

For Sale - Well located corner 58 Ac. farm, good out building & fencing, small modern house, Harford Co., Md. 301-692-5700.

For Sale - Heavy Duty manure auger, 20' long, 11" dia., like new, 2 door Servel gas refrigerator, 717 354-9370.

Help offered - Young Christian man, 18 yrs. old, available Jan 1, 1983, Prefer Mennonite team people. Contact Elam Z. Zimmerman, 717-733-6698.

For Sale - Black V W. SW Dasher, 1975, good cond., needs minor body repair, $1200 814-623-2425.

For Sale - Starline shuttle feeder parts - 3 new 10' troughs and new cable, used drive unit. 717-272-6432.

For Sale - Injector attachment for Model 1100 Better Bilt spreader, $700; South Bend kitchen stove, set up for kerosene, $350. 215-267-5012.

For Sale - Char Lyn Hyd. motors Wanted - Starter drive for Int. 706D starter #1113176, Thomas V. Amalfitano, 717-927-6967 York Co.

For Sale - Apple orchard, pushed out & wood is available now at $20/pickup load, Cecil Co., Md. 301-658-4622, 301-658-5429.

For Sale - Int. Cub cultivators & sickle bar mower. Woodburning cone-shaped fireplace, Balto. Co. 301-256-1168.

For Sale - 15 Bred gilts, 3 way cross, Yorkshire, Hampshire & Duroc. Your choice, 215-286-9096

Wanted - Hired youth for year 1983 Full or part-time. Omar K. Beiler, 257 S Groffdale Rd, Leola, Pa 17540

Wanted - Flywheel to fit Wisconsin engine model VE4D Serial No 4054881, Spec No 182553 elec start Bedford Co 814-928-5373

For Sale - Massey Ferguson 235 Diesel tractor - 1000 hrs 5,900. Baltimore Co. 301-592-7705.

For Sale - Chiangus cow w/350 lb. heifer calf at side $650, registered polled hereford cow, bred, $650 Harford Co. 301-692-5156.

For Sale - 26" Atlanta Franklin Stove New grate. $100 717-528-4825. Adams Co.

For Sale - corn fodder Elam B Stoltzfus, 91 Hess Rd, Leola Lanc Co Pa 17540

Wanted - Vacuum Pump Regulator Milker to milk family cow Also incubator Lanc Co 717-665-4589

For Sale - 100 42' trusses 32x75 Tobbacco shed, selection of heavy timbers, S.L Stoltzfus 3875 Old Phila Pike Gordonville 17529

For Sale - Registered Sheltie puppies for Christmas Westinghouse two can cooler Reuben Esh 3812 E. Newport Rd Gordonville, Pa 17529

For Sale - General Electric belt driven Arc Welding Generator Continuous KW5 - 200 Amp 1 hour KW6½. Berks Co 717-933-4629.

For Sale - Ford Bush Hog, IH Disc, 2 section Harrow and plow to fit 3 pt hitch Susquehanna Co 717-965-2404.

For Sale - 2 3hole rear wheel tractor weights $45 301 777 0642 Cumberland Md

MAILBOX MARKET

For Sale - New galvanized feed carts, 15 bu $130 717-354-0182 Lanc Co

For Sale - 16 crate hog castle w/8 nursery pens Farmall MTA 717-426-1539 after 4 p.m.

For Sale - Polish chickens, spring hatch, 1 pair Golden Lace, 2 roosters Buff Lace, $5 each. Lanc. Co 717-786-3006.

For Sale - 5 Holstein heifers due in Feb., vaccinated and dehorned. Good size, call after 8 p m, 717-458-4460. Lycoming Co

For Sale - Portable Reddy Heater w/thermostat, 90,000 BTU, ideal for workshop or farm use, like new 717-866-2300 Leb Co

For Sale - Border Collies AIBC Reg. whelped Nov 24 '82. Sire & Dam working $125 Side-Hill hitch. Columbia Co 717-864-3428.

For Sale - Modified pulling tractor, "Patton's Pleasure" pulls 9200 Modified & 12,200 Unlimited, V-12 tank engine, Carroll Co, Md 301-775-2849

For Sale - Wilson 8' cab, good conditions, sliding glass, paneling & boat rack, two new snow tires, H78.15. 717-933-4253 Berks Co.

For Sale - MF #35 pull-type combine, stored inside good cond Also parting on MF 85 and Super 90 diesel tractor, 717-568-7271 evenings.

For Sale. - Twenty purebred Suffolk ewes and 1 purebred Reg. ram. Very good quality, York Co. 717-755-4785.

For Sale - 10 yr. old Sorrel work horse, w/snap, 10 yr. old Standard bred carriage or buggy horse, Lanc. Co. 717-656-8961.

For Sale - 1978 Kenworth double bunk 350, Cummins 13 speed, 433 rears. York Co. 717-382-4143.

For Sale - 3 grade Holstein heifers due in Feb. and March $2500 for all or will price individually, 717-742-8090 Northumberland County

For Sale - Building lot at DuBois, Pa Recreation Park $6500 717-672-2392 Col Co

For Sale - Singer 2001 Touch-tronic memory sewing machine in cabinet, new cond., $650 1971 Chevy 3/4 ton pickup truck, 717-865-4594

For Sale - JD KBA 20 Disc, JD 9' spring harrow, Oliver 12" 2 bottom plow, everything reconditoned! Lanc. Co. 717-687-0102.

For Sale - Miniature horse mare, bay w/star, 4 yrs old Breeding sound, and broke York Co 717 235-1187

For Sale NI 206 manure spreader, NI tobacco planter, NH 30' elevator, Vicon fert & seed spreader Lanc Co 717 687 6553

For Sale JD #7 mower w/motor in working cond, Amos F Beiler, Mine Rd, Paradise, #1, Pa 17562

For Sale - 3 hp Copelamatic compressor, 330 gal Jamesway direct expansion milk tank, SP11 Surge vacuum pump, York Co 717-235-1624

For Sale Stonelined range boiler, never wear out, 42 gals 301-795-2609 Carroll Co

For Sale No 150 Home Lite Chain Saw, good cond, $75 717-733-3660 Lanc Co

For Sale 30"x42" 1200 lbs. Fairbanks standard portable platform scale, $150 Lanc Co 717-626 5751

For Sale NH 36' Elevator w/1½ hp motor, extra paddles, swivel hopper, 3 yrs old, good cond. $1000 717-532-8601

For Sale 2½ yr Reg Angus Wye bull, "Proven" Lanc Co 717 367-2933

MAILBOX MARKET

For Sale - Closed carriage w/Livingood running gear, $700 Jonathan E Fisher, 133 Buckwalter Rd, Lanc. Pa. or call neighbor, evening 717-299 9446.

For Sale - Harvey corn sheller, 10" Dellinger Hammermill, 200 Fatso stove, burns coal, Bakery cabinets. Lanc. Co 717-872-5510.

For Sale - Purebred Nubian and Alpine goats, young and old stock, Buck Service available, good lines, Berks Co. 215-689-9895.

For Sale - Ford 900 farm tractor & 3 pt plow 717 942-6044 after 6 p m Susq. Co

For Sale - 60A farm (40 clear x 20 woods), house and barn $1600 per acre Red Lion Area, Pa 717-927-6570

For Sale - 400 amp Lincoln welder w/3 phase motor. $175 Lanc Co 717-354-9744

Wanted - Used, tractor tires 18-4-34 w/good tread. Chester Co. 215-273-3182

For Sale - Coal and gas stove combination "Caloric" $15 in working order John M Esh, Myerstown R#2 Box 419A 17067, Pa.

For Sale - Case 800 diesel tractor w/large V-snow plow, also many sizes of snow plows for on farm tractors, 717-345-4882.

Wanted - Slatted floor sections from chicken house, any amount from 20-100 sections 215-683 3094.

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STATE _____ ZIP CODE_____

MAILBOX MARKET

Wanted - Belt driven generator, 2 KW or 3 KW AC 1800 rpm, Lanc Co 717-354-0289

For Sale - Oil hot water furnace, 800' pipe, 1000 gal tank, 8 ft poultry waterers, tube feeders Lanc. Co 215-267-2783

For Sale - Reg Holstein due in 3 weeks with second calf. Schuylkill Co. 717-277-6007.

For Sale - 6 breeding age grade Holstein heifers, 600-700 lbs 717-724-7838 Tioga Co.

For Sale - Fox terrier pups, 8 weeks old. Lloyd H Martin, New Holland #1, Box 786, PA. 17557 Lanc Co

For Sale - Wood storm doors w/screens, various sizes, $8 ea Wood storm windows w/screens, various sizes $5 ea. Lanc Co 717-284-4846.

For Sale - Int loader model 2C-32 quick on off fits Farmall C thru 240, $200. Trailer frame. Lanc Co 717-665-3586

For Sale - 5 purebred Angus spring heifers and one bull 717-229-2475 York Co

For Sale - Pecans in the shells, $1.00 per lb, Old G E wringer washer, Lanc Co. 717-653-5926

For Sale - 3 White Chinese geese, 1 Gander & 2 hens, 215-445-4182 Lanc. Co ½ mile North of Terre Hill.

For Sale - Wood stoves for stripping roomex shops & etc. Samuel F. Stoltzfus, Christiana R#1 Box 199, PA 17509

MAILBOX MARKET

For Sale - 1962 Ford 6 cyl truck engine, complete $200 Wanted - tailgate for '63 Ford pickup 609 859 2062 Burlington

For Sale - Parts books and owners manuals on MH, MF, Ferguson machinery, tractors, combines, balers, etc 716-554-6479

For Sale - Two wheels for Chevy Luv truck, $60 for both Call after 6 p m, Lanc. Co 717-442-9648

For Sale - 12V Suptnik compresser, NI cut conditioner $600, Lincoln welder, $800 Aaron S Zook, R2 Box 389 Parkesburg, PA 19365

For Sale - Int 2 bottom mtd plow and 2 row cultivator for Int or Farmall C $75 ea Lehigh Co 215-967-3957

For Sale - Tenn Walker mare, 7 yrs, rides and drives $850 or best offer Lehigh Co 215 679 9233, 215-282-1257

For Sale - Reg Shropshire ram and ewe lambs for the progressive breeder who wants to improve his flock, 717-949-3653 Myerstown

For Sale Black kitchen range, used two winters $400, also big chunk wood stove $150 Lanc Co 717-733-2178

Notice — Barter Will give 8 pedigree Angora rabbits, cages, feeders, bottles in exchange for labor (only) to erect fence 215-383-5280

For Sale - NH 770 2 Row N forage harvester w/grass pickup head, very good cond., Mifflin Co 814-542-8464.

For Sale - Y x L cross boars, Pseudorabies free herd #38, good breeding, 215-445-4649

For Sale - NI 17 manure spreader, ground driven, used 190 loads, like new $995. JD H tractor w/cult $995. 717-354-0266

For Sale - New coal grate for Model R-76 Shendoah heater & 65,000 BTU gas heater, John L Fisher, R3 Box 32, Honey Brook, Pa

For Sale - Polled Hereford young bull, good stock, 9 months old, 9 pigs, 275 gal. oil tank 717 292 6275 York Co

For Sale 10P Calumet manure pump, Arps snowblower, Surage milking parlor, complete w/all milking eqt Garrett Co 301 245-4573

For Sale - SS tank, 1600 gal 6' dia x 7' H tunnel bottom $750 4 cyl Continental (gas F140G) 215-696 1703 West Chester

REAL ESTATE

For Rent - 67 acres near Manheim, approx. 40 tillable, rental $4,800 per year. Send replies to Lancaster Farming, P.O. Box 366 R-36, Lititz, PA 17543

CHOICE PERRY COUNTY FARM - 195 total acres, 105 tillable acres. Balance timber and meadow, stream & springs. Buildings excellent! Approximately 2 miles Northwest of New Bloomfield. Call 717-653-1488 for more information.

General Farm for sale, Hancocks Brick, NJ. 237 acres, 175 tillable, remodeled two story house, new 42'x72' Morton machinery building, excellent deer and goose hunting, low taxes, $1500 per acre. Owner selling. Richard Hinchman 609-935-4179

Newly listed turnkey vineyard and beef operation. 40 acres producing grapes with good market. Varieties are Concord, Niagara, Baco, Delaware, Aurora, & Siebel. 3 barns, house, pond. 170 acres total. Century 21 Four Seasons, Penn Yan. (315) 536-7456

MAILBOX MARKET

For Sale - 1973 Buick Le Sabre 350, no rust, good cond Runs good new tires Call 717-275-4810 or 717-275 8416 Montour Co

For Sale - Int 430 Baler, exc cond steel wheels and engine Daniel M Beiler, 624 Willow Rd Lancaster PA 17601

For Sale - Int 504 Diesel utility tractor w/2001 loader and new bucket Price neg must sell Franklin Co 717-264-8656

Wanted - Sofa and chair also childs sink, stove and refrigerator Lanc Co Call 215 445-4289

For Sale - Electric French Fryer, approx 2' sq 1' deep frying space, 10 speed Schwinn mens bicycle 717-354 9840 Lanc. Co

For Sale Beautiful Horse size hempstead cart All oak & hickory, natural finish Ready for Devon $2000 Cumb Co, NJ 609-455 2458

For Sale - SIMMENTALS Raise your own bull from a calf & SAVE Outstanding individuals polled & horned Frederick Co 301-972-4437

Wanted large anvil, over 200 pounds 315-597 6333 Leave message, will return call

For Sale AKC Cocker Spaniels, shots and wormed, ready for Christmas Also registered Alpine Nanny Queen Anne's Co 301-778-1919.

For Sale - All-nighter wood stove, exc cond $325 Triple stainless steel chimney, 8" diameter 20' long, $200. Adams Co 717-359-7878.

For Sale - 300 gal. Bulk Tank with Compressor $350 exc. cond Just disconnected 60 days ago 609-758-8478 after 6 p m.

For Sale - Int. 2 gang 14" plow w/6 new plow points and one land side $175 717-382-4554

For Sale - Patz Barn Cleaner for 44 cow operation, good cond, Jonas S Smucker R2 Mast Rd, Narvon, Pa 17555

Wanted to Trade White 5100 6 row N Till corn planter for 4 row N Till planter Wanted Tractor w/loader, Cumberland Co, 717 243 1281

For Sale - AKC Keeshound male, good for watchdog only Benj S Miller #1 Box 250, Paradise, PA 17562

REAL ESTATE

3 bedroom ranch, woodstove, fireplace, 2 car attached garage, 3½ acres, barn, pond, fenced pasture, $85,000. Dauphin 717-469-0539

180 ACRE DAIRY FARM - 160 tillable acres, 56 cow main barn w/pipeline, 2 silos plus heifer barn to tie 37 head. Intensely cultivated soil has great yields of corn and alfalfa. Excellent remodeled house w/modern kitchen and bath, new septic system and wood/oil heat. $225,000. Century 21, Countryside Realty, Earlville, NY 13332. 315-691-2071

Rent Bradford County dairy, 35 tie stalls, new Patz cleaner, large steel building, 70 acres tillable, 50 acres pasture. 717-569-0381

House for rent for small Christian family, farm background preferred to occassionally help on dairy farm. 4 mi. south of Lancaster. 717-464-2894

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF., WEST REAL ESTATE AGENCY, INC 5528 William Flynn Highway, Gibsonia, PA 15044

REAL ESTATE

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

Tioga County 65 acre farm with stream, barn, new slaughter house. Ranch style home with 3 bedrooms, 1½ baths, 2 car garage. 717-724-3768. Call 717-724-3853. evenings and weekends.

For Sale - 3 bedroom house and grocery store with snack bar, country setting, North Lancaster Co. For further information write 305 Lexington Rd., Lititz, PA 17543 or call 717-626-2995

Huntingdon Co. 168 acre crop and beef farm, 100 acres tillable, good soil, well tertilized, 3 bedroom farmhouse, alum. siding, tenant house, lg. bank barn, river frontage, immediate occupancy, under $1,000 an acre. 814-643-4446 eve.

Greenhouses, set up for hydroponic vegetable production. 7,800 square feet. Fall crop now in progress. Ranch home on 11.9 acres meadow, stream on property. All for $155,000. 215-384-1157

50 acre farm for sale within Mennonite area. 25 acres in rye, rest could be farmed. Robert Hopkins, owner. Penn Yan, NY 315-536-8092

94 acre hog and tobacco farm in Lancaster Co. Facilities include 100 sow farrow wing unit and tobacco scaffolding for 10 acres of tobacco. Property includes large bank barn, stone dwelling and 85 tillable acres in a high state of cultivation. Financing available. Ask for the Lancaster branch manager, 1-717-291-1855

For Lease - outstanding 330 acre dairy farm in Southern Tier NYS. Harvestore and other silos, 70 cow barn and other buildings. 607-849-6097.

Snyder Co., Chapman Twp., 130 acres general farm, approx. 100 acres tillable, 2 story frame dwelling, bank barn, outbuildings. Asking $1,000 per acre or best offer. Must settle estate. 717-374-8333. 215-822-3822

40 acres of farm land (tillable) plus 40x60 bank barn, along hard top road, 7½ miles northeast of Burnham, PA in Decatur Township, Mifflin County. No property (house) on land. Price $60,000. Call 1-717-248-4630 or write to B.C Aumilla, 7th Ave., Burnham, PA 17009.

For Sale - Lebanon County Farms, 79 acre hog or beef farm $269,000 - fifty five acre beef farm $179,000 owner financing, a four acre farmette $49,900 ten acres of woodland $25,000 and a 150 acre Berks County farm $205,000. Write for brochure: Nelson Ebersole-Realtor Auctioneer 717-867-4487 Suburban Realty, 30 West Main St., Annville, Pa. 17003

Farm of 207 acres, approx. 100 acres river flat, remainder woods. Older 2 story home, 2 barns, shed, attached garage. Just reduced to $85,000. Ask for Jeanne. C-25. Call Winters Real Estate, Inc. 607-962-2401

MICHIGAN-SANILAC CO., Marion Twp. Crop and Dairy Farms. Most have homes and outbuildings. 73-160 acres parcels, some tiled, 641 acres total, 626 tillable, avg. $1700 per acre. Contact Brad Apsey, Deckerville, MI 313-376-3574 at Clare Wait Real Estate Inc

REAL ESTATE

For Rent - Complete veal raising facility, with housing good family opportunity. Call manager. 201-832-2905

Farmland for rent - Great Meadows New Jersey, 60 acres of finest farmland, along Pequest River for rent. 201-455-1237

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Big Spring Catalog! Over 5,000 BEST farms, homes, businesses, recreation, retirement values All Across America!

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P.O. Box 773A, Dept. 6490
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FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF, WEST REAL ESTATE AGENCY, INC., 5528 William Flynn Highway, Gibsonia, PA 15044.

FIRST CLASS FARM
Beautiful Cove Creek flows 1¼ miles through this 141 acre farm in the scenic Bedford area; well maintained 2-story home has an equipped kitchen on each floor; 2-car garage and workshop area; truckport; excellent barn 30x60; poultry house 10x18; corn cribs; storage shed; 40 acres tillable; 30 fenced pasture. No. 4798. WEST REAL ESTATE AGENCY, INC., R.D. #5, Box 99, Bedford, PA 15522, (814) 623-8594.

WORTH YOUR INTEREST
Near Montrose, Pa.; 150-acre former dairy farm with homesite or trailer site; complete with A-1 barn 31x100, milk house, 2 silos, and small pond. No. A-1707. WEST REAL ESTATE AGENCY, INC., R.D. #3, Quarry Rd., Box 121, Montrose, PA 18801, (717) 967-2466.

RECREATION-INVESTMENT
Lycoming County near Roaring Branch, Pa.; 114 acres mountain land for hunting, recreation & investment; paved road frontage; 90% wooded; cleared sites for homes, cabins or camping; approx. $533 per acre for entire parcel. No. B-7897 WEST REAL ESTATE AGENCY, INC., 12 Canton Street, Troy, PA 16947, (717) 297-4046 or 297-2777.

38½ acre farm. Beautifully restored farmhouse, ranch house, bank barn, fencing plus much more (1490) Snodgrass Realtors Better Homes and Gardens 301-838-9288

REAL ESTATE

Want to rent farmland for hay production, preferably w/good barn. Call Martin 717-235-2404 evenings.

FARM for sale. 100 acres. Turbotville, Penna area. House redecorated, modernized, insulated. Oil or wood heat. Mountain stone fireplace. Workshop, garage, barn set up for horses. 717-546-5830 (days) 717-538-1600 (eves)

Southwest Georgia Farms, Dairies and Timberlands. Contact Don Butts, Day Realty, Albany, GA (912) 435-6271

Farms For Sale - #1 - 87A. 72A. tillable, 2A. timber, small stream, 4500 Ft. frontage. Large bank barn w/machinery storage or housing for beef or swine on ground floor 44x60 shop & machinery storage 24x36 corn barn. 2-door shed, 30x7 grain bin w/drying floor & fan. 4 BR. 3 bath home, oil and wood forced air, 2-car garage, w/wo 2nd home, 3 BR., 1 bath, 2-story brick w/attached 2-car garage, oil hot water heat.

#2 - 55A., no buildings, 43A. tillable, 10A timber, productive with future development. possibilities, w/wo 2-1A. Lots. West York County 717-225-3513

For Sale - 3½ acres of fenced pasture and barn w/6 stalls. For appointment only 302-284-9327

For rent - complete modern dairy facility in southern Lancaster Co. Cows and machinery could also be available. Contact Don 717-284-4796

Berks Co. Poultry Farm For Sale - 20 to 50 acres available. 35,000 bird layer house on contract, excellent condition. 2 bedroom mobile home or will sell entire 60 acre farm. 215-562-7776

Virginia dairy farm for sale, lease or partnership, 600 acres, 240 free stall Butler building, 12 stall trigon milking parlor, 4000 gal. milk tank, 150 Holstein cows, 75 heifers, 5 silos, farm machinery. Owner wants retirement. 804-696-2003 form 7-10 p.m.

Central New York farm w/riding ring, dog kennel, 50 acres tillable, 70 acres woods, pond, four streams. Restored farm house at roads end. Lang Real Estate, 315-696-8018

BAUGHMAN REALTORS - Over 300 acre farm near Stewartstown, new to market, 2 miles road frontage, 275 crop acres, 16 wooded, 69 pasture, 1¼ acre pond, owner financing, Don't Wait! 717/741-4671 or 717/993-2375. (204827)

REAL ESTATE

Dairy farm with 6 cow milking parlor, 48 cow free stall barn, heifer barn, 16'x65' Marietta silo with cement bunker spring fed stream running through pasture. 119 acres with 85 tillable. Large 4 bedroom house, 2 full baths and attached summer house. 2 full baths and attached summer kitchen, located in the Turbotville, Pa. area. $150,000.00 Call 717-546-2233 or 546-2313

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(Liberal owner financing, approx. 130 acres)

Opportunity for the energetic farmer to enlarge operations in a creek frontage area. Limestone and loam soils, modernized facilities, adequate housing for farmer and hired help. Large spring fed pond and those long fields, etc. This is one of the richest farming counties in PA and in the USA. We structured a package plan at low rates that will bring many years of happiness for buyer and seller.

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315± acres. approx. 200+ tillable 100 pastures. Large pond. 2 barns (like new) 37 tie stall w/glass pipeline mow conveyor. 18x50 Unadilla silo. 20x35 Harvestore. A frame 50 head free stall barn & mach. & feed storage. Large home remodeled conn. existing FHA 9% Loan may be refinanced. Just $149,500. PH: 717-662-2138. M-472.

JUST REDUCED
1 story house or camp, furnished, masonite siding, new storm windows & screens, 2 bdrm., 1 full bath w/shower, large LR, kitchen, w/w carpet thru-out, walls panelled, Priced at $27,900 W-656. PH: 717-724-5921.

13.65 acres, wooded lot, possible spring, good hunting area, possible owner terms, $8750.00. W-677 PH: 717-724-5921.

All wooded property on 115 acres in exc. deer, bear and turkey area. Very secluded streams. Lots of firewood. Priced at $300.00 an acre. W-685. PH:-717-724-5921.

47 acres with stream, partially wooded, frontage on black top road, septic approval, owner financing, $31,900.00 B-151 PH: 717-265-3171

We have other camps and land that is wooded, open, with springs, and owner financing. The Real Estaters of Wellsboro, 120 East Ave., Wellsboro, Pa. 16901 717-724-5921.

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OUR #1 AIM IS SERVICE

REAL ESTATE

For Rent - 65 acre Grade A dairy farm in Shenandoah Valley, VA, all modern milking and feeding equipment, good and level farm ground w/all tillable. Herd of milking cows available w/farm. Send replies to Lancaster Farming, P.O. Box 366 R-33, Lititz, PA 17543

REAL ESTATE

90 acre Farm with stone home, shop attached, banked dairy barn, 3 apartments in detached building. Gross rental potential over $20,000 per year, zoned industrial, must be sold, $360,000.00 Call ARA Real Estate at 215-857-2141.

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RAY N. WILEY INC.
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FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

BEST BUY IN NEW YORK STATE
450 acres, 150 cow freestall operation, 3 Harvestore silos, 100 heifer facility, modern ranch home, additional housing, all buildings in excellent condition, beautiful location, good milk market. $380,000, $200,000 down. Balance owner financing. Cattle and equipment available.

We list only the best farms.
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FOR SALE
30 acre farm in western Perry Co. located 1 mile from Blain, 50 mi. from Harrisburg, Pa. Level land, soil easy to work, along a good trout stream, in deer country, fruit trees, 3 wells, house, barn, other out buildings, an area is equipped for campsites, with elec, water, and flush toilets.

10 room house is located near center of property, quiet, away from traffic but easy to reach from main road. Furnace, bath, modern kitchen, butcher furnace, the original part of house is log covered with siding. 3 rooms upstairs have original open oak beams. An ideal retirement or vacation property.

No sales agreement, no realtors, no points. $69,900.

For appointment to see or information write Box 95 R.D. 1 Blain, Pa. 17006.

LANCASTER COUNTY FARMS

150 acre dairy - Chester silt loam soils with 12 unit milking parlor, 1,500 gallon tank, free stalls for 200+ head. 3 family unit dwelling. $4,650.00 per acre.

112 acre dairy - with 12 unit milking parlor and 150 freestalls, 4 silos, including 2. Harvestores, with modern ranch home.

99 acre dairy operation with 40 comfort stalls and pipe line milking system. $350,000.00

CLINTON COUNTY
184 acre dairy/hog operation with 6 bedroom and 2 bath dwelling for $350,000.00.

SNYDER COUNTY
170 acre beef farm with bank barn, 2 story brick dwelling with 4 bedrooms and 1½ bath. $205,000.00.

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This is a very busy season for most people because of Christmas shopping and parties, etc. But, it is a very busy time in the "Farm Shopping" world also. We are dedicated to making that experience considerably easier and less time consuming with a brand new approach. Please feel free to call for details Whether buying or selling, this method is beneficial to all of us

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For Sale

Approximately 65 acre farm in Fruit Belt of Northern Adams County. 4 bedroom farm house, numerous outbuildings and silo.

Ask for Wayne

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145 acre dairy farm
66 ties stalls, Cornell Barn Cleaner
DeLaval 1½ inch Pipeline milking system, Mueller 1000 gal. bulk tank
20 x 60 Fickes Silo w/Unloader
20 x 60 Marietta Silo w/unloader
20 x 38 Harvestore Silo
50 x 100 loafing area with 6 seperate pens Jamewsay 55 ft. bunk feeder, with 4 heated watering bowls
16 x 30 calf barn
40 x 30 heifer barn
40 x 160 bank barn
40 x 46 metal sided Agway implement Shed
15 x 20 shop area
1200 bushel wire corn crib
Modern 4-bedroom house.

IF YOU ARE LOOKING FOR A GOOD DAIRY FARM DON'T MISS THIS ONE.

NEW LISTINGS
PERRY CO.

145 A Dairy Farm near Ickesburg 66 Tie Stalls, DeLaval pipeline milker, 1000 gal. bulk tank, 2-20 x 60 Silo W/unloaders 1-20 x 38 Harvestore Silo 50 x 100 Loafing Barn W/Bunk feeder Implement Shed & Heifer Barn Little Buffalo Creek runs thru pasture modern 4 B R dwelling

BERKS COUNTY

7.6 A wooded near Rehrersburg Tulpehocken Twp.

8 A Farmette N. of Myerstown 1 story 2 B.R , 6 year old dwelling, metal 36 x 48 barn, 2 wells w/wind mill in pasture.

60 A General farm near Yello House 35 A tillable, bal pasture with pond and stream. Modern 4 B.R stone dwellling, large bank barn, corn crib.

108 A Limestone Dairy near Oley 76 show ease tie stalls, 4 unit pipeline milker, 800 gal bulk tank, heifer barn, 20 x 60 star sealed silo, 20 x 60 Fickes Silo, 12 x 40 silo, 40 x 70 implement shed, Modern 3 B.R dwelling. Ready for today's diaryman

LANCASTER COUNTY

40 Acre Farm near Reemstown Approx. 20 acres tillable, stream in meadow modern 3 B.R dwelling, large frame bank barn, 3 car heated garage w/shop area bldgs., less then 20 years old

15 Acre Farmette West of Honey Brook 2½ story block and stucco, 3 bedroom dwelling, horse barn and implement shed

13 A. Farmette N. of Ephrata mostly tillable some wooded road frontage Modern 5 B R dwelling, large bank barn, spring house, 30 x 44 metal storage bldg don't miss this one.

LEBANON COUNTY

146 acre general farm, near Fredricksburg 106 acres tillable, large bank barn, implement shed, poultry house & garage Meadow w/stream, some woodland, 3 bedroom dwelling

JUNIATA COUNTY

78 A General farm near Richfield 44 A. tillable bal. wooded and pasture. Modern 2½ story, 3 BR dwelling. Large bank barn, chicken house, hog sty etc

CHESTER CO.

6.6 A farmette 1 A tillable bal. wooded w/stream in pasture. 2½ story dwelling, large bank barn

CUMBERLAND COUNTY

188 A general farm, south of Shippensburg 176 acres tillable, mostly Murrill soil, large bank barn, corn dryer, many other out buildings. Modern 3 bedroom dwellling, would make an excellent dairy, hog or beef farm.

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James Marsh 717 529-2678

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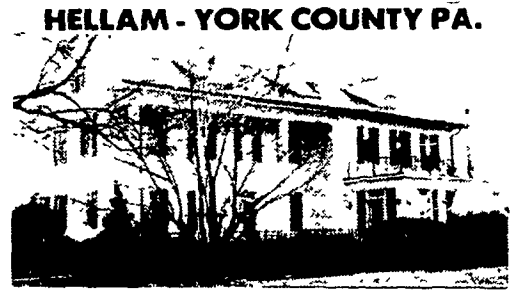
HELLAM - YORK COUNTY PA.



Quality 7 Bedroom Colonial Home.

120 Acres - Could be divided - Top productive land. Excellent Road Frontage. Presently Dairy Operation - Many Out-Buildings - Ideal for horses.

Convenient to York & Lancaster. One mile South Route 30 By-Pass - Hellam Interchange.

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Most farms posible owner financing.

Exceptional farm, 35 acres, $79,000

400 acre vegetable or general farm, new machine shed, 2 large barns, irrigation ponds, exceptional home $500,000

75 acre general farm, $79,000

Low payments first year, no money down will buy this farm. 270 acres, 165 tillable, 30 pasture, exc. soil, 4 bedroom home, bank barn & machine shed.

Modern 450 acre beef & broiler set up, mostly all tillable, prime level ground, 2 homes, $900,000.

Amish neighbors - 130 acres, 60 tillable, 30 pasture, balance wooded, bank barn, 10x50 & 16x50 silo, grain storage, 32x80 barn $150,000.

Lykens Valley Farm 110 Acres, 90 tillable, nice home, possible terms. $210,000.

62± acre general farm, 12 room home, coal or oil heat, bank barn, $75,000.

BRADFORD CO.

192 acre operating dairy farm, 150 acres, 3 silos. Possible owner financing at $245,000.

Large amounts of different size acres for sale

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Cumberland Co. working dairy farm, in the Newville area. 27 tie stalls, great set-up for a family farm. 85 tillable acres, 126 total acres. Large implement shed, pond, priced to sell at **$198,000.**

Starter dairy farm in a fertile valley, near Mennonite schools and churches, 2 unit home, great beginning farm, **$84,900**

Montgomery Co. dairy farm - stone home, 5,000' road frontage, sewer, price **$250,000.**

General Farms

Produce farm off of Route 11 and 15. Brick home, large bank barn, pond & lovely setting. 100 acres, price reduced to **$130,000.**

York Co. farm, 51 acres, 38 tillable, pond, stream, nice setting, frame home. Price **$145,500.**

Good Soil in York Co. 173 acres, 70 tillable, no buildings. Priced to sell at **$175,000.**

Veal Operation on 14 acres, Mifflin Co., modern ranch home, modern 218 head calf operation or convert barns into hog operation. Priced to sell at **$79,900.**

Farmette Snyder Co. 10 acres, w/frame home, plus barn, priced to sell at only **$45,000**

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REALTORS
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Lancaster
Phone: 717-569-8701
or Ephrata 717-733-3344

FARM FOR SALE

126 acres in Lancaster Co. on Mine Road near Gap, will subdivide.
Also, an N5 AC gleaner combine.

For info. call

717-442-9549

JUNIATA COUNTY

25 acre farm in beautiful country setting. 144 year old limestone house, 4 bedrooms, 7 fireplace, old cherry paneled doors in living room. Oil hot air heat. Large barn and sheds in good repair. White board fencing, meadow w/stream. This would make an ideal horse farm. Priced at $80,000.

Additional acreage available.

Call William H. Wilson, Realtor
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301-838-2651 Eves. 301-838-8454

ACTIVE DAIRY FARM: 194 ac. in high state of cultivation. Beautiful stone/frame home, 2 tenant houses, 2 barns, large garage, corn crib, silos, etc. Good market location

EXC. HORSE TRAILS on this 82 ac. farm w/4 BR stone Col., 2 baths, bank barn, other outbldgs., stream.

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CHESTER COUNTY
NEAR OXFORD

190 acre Dairy Farm, 150 acres tillable, stanchions, large silos.

175 acre Dairy Farm, 50 stanchions.

95 acre Dairy Farm.

80 acres of bare land, no buildings.

75 acre Dairy Farm, meadow, small woods, 600 gal. milk bulk tank, owner financing.

LANCASTER COUNTY

82 acre Dairy farm, 10 room house, bath, extra nice, large dairy barn and out buildings. South West of Quarryville near Wakefield. SOLD

We have more farms available. Farms are our speciality. If you are thinking of Buying or Selling a farm, Call Maurice or Dan Today.

Maurice E. Lehman, Broker
Phone 717-394-2460
or Daniel E. Snader Agent
Phone 717-656-7789

LEBANON... 153 acres (m/l) layer operation with contract, nice home!

LEBANON... 2 unit stone home (excellent conditon), beef/horse, 54 acres, possible 24 tillable, great pasture and stream!

BERKS... nice small dairy operation, 118 acres (m/l), 30 tie stalls, pipeline, 2nd barn, good condition home!

RICH BRANDT REALTORS
2230 5th St. Highway, Reading, PA 19605
(717) 274-3622 - office - (215) 378-1122

Operating dairy w/approx. 1 mile frontage. Approx 100 acres, 83 tillable. Good alfalfa ground. 20x60 Harvestore, Terre Hill silo, bunk feeder. 42 stanchion barn, pipeline. Brick home, new kitchen, other buildings, silo, all in good cond., Berks. 215-756-6479

WANTED

Quiet Family Wants 3-10 acres land with small house of 2 bedrooms. Prefer in Lancaster Area. Write House, P.O. Box 2156, Baltimore, Maryland 21203

Approx. 90 acres Perry Co. woodland, best deer hunting in PA, right of way provided, will survey this month, $700 per acre with 1/3 on settlement and owner finance at 10% 717-789-3943

Beautiful stock farm of 188 acres, full supplement of buildings, approx. 100 fertile, level, tillable acres of farming land and 20 acres woodland, farmhouse included. $205,000. Rita Halverson, realtor, 814-443-4858

Today it takes two...PARTNERS and YOU

FARM FOR SALE

Owner will finance this 85 acre farm with bank barn, stone home, summer house. 75 acres tillable. Will sell only land or buildings with 10 or 20 acres. All offers considered

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Farm For Sale
Cumberland County

150 acres of rolling limestone soil. Dairy barn for 41 cows. 3 silos. $260,000

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Dairy Farm

320 acre dairy farm with jugging operation, nicely located in N.E. U.S.A. Everything goes. Lock, stock and barrel. For confidential info. call Mr. Long, Stimmel-Graul Realtors, P.O. Box 1883, Allentown, PA 18105

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EXCELLENT OPPORTUNITY offered by retiring owner. 187 acre farm, 120 tillable, balance good pasture. 2 ponds, flowing stream thru property. Very good 7 room home. Equipment shed plus outbuildings. Good 51 cow barn with 2" pipeline and new Patz cleaner. Silo & unloader. 43 cows plus 15 y.s. 4 tractors, all equipment and crops included. Asking $195,000. Must see. Also have many others in all types and sizes.

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75 ACRES (LIMESTONE SOIL)
Special Financing Available on this farm located in Cumberland County. Large 2 story house, barn in excellent condition, Fickes silo and several other out buildings This property must be seen to be appreciated Lots of road frontage. After hours call Joseph M Phillips, Jr. (717) 582-2819.

95 ACRES
75 acres tillable House log and frame Outbuildings include garage, hog pen, Barn, Milk house, Fickes silo, Chicken house, Wagon shed with corn cribs and an implement shed $95,000 00 After hours call Arthur T Kerns (717) 243-6345

PRODUCTIVE FARM
250 acres w/additional 111 acres available located in the heart of a good farming area in Perry Co near Loysville This farm has a trout stream & several springs Property also has lots of road frontage & 2 story 4 bedrm house in good cond Partial amt of acreage is in good timber OWNERS WILL SUBDIVIDE! After hrs call Kathy Clelan 717-776-5297

PENNA FARMS
CUMBERLAND CO.

127 acre general, 102 crop acres, bank barn, frame dwelling, needs repaired.

113 acre dairy, charming stone dwelling.

82 acre all open land, murrill soil.

20 acre dairy farmette, 8 tie stalls, silo w/feeder.

FRANKLIN CO.

124 acre general, 95 tillable, plus buildings. 2 story frame dwelling, bank barn.

91 acre dairy. Owner financing.

PERRY CO.

126 acre general, restored 2 story brick dwelling, beautiful location.

58 acre general, frame dwelling, bank barn

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FARMS

250 ACRES - 150 acres tillable, 100 acres pasture & marginal LITTLE FISHING CREEK FLOWS THROUGH 2 story large brick residence, 2 story bank barn, machine & implement shed Present use beef Asking $275 000 Seller financing.

114 ACRES — 90 acres tillable, 25 acres pasture & marginal LITTLE FISHING CREEK FLOWS THROUGH 2 residences Present use - beef Adjoins above farm Asking $150.000 Seller financing

157 ACRES all open, complete modern beef cattle operation Hagerstown soil, high fertility, Ph 7 2 Macadam road frontage, 2 dwellings, two story, good condition 40x90 two story barn with automatic bunk feeders, Modern 40x80 feet breeding barn with large oak fence corrals and holding area Three concrete stave silos, concrete block machine sheds and storage buildings Good fencing Asking $280,000 - *seller financing OR CASH OUT AT REDUCED PRICE*

135 ACRES TOTAL, 6 miles east of Bellefonte, 123 acres tillable, Hagerstown soil, pH 6 8, level to moderate slope, 23 acres alfalfa, dwelling, 4 bedrooms, modern ranch, barn - 2 story wood 40x80 w/40x40 attached loafing shed PRESENT USE DAIRY, 30 stalls, Patz cleaner, Constone silo - 16x55, Jamesway unloader, trench silo, early possession Asking $210,000 w/seller financing

CABINS

2 ACRES - 2 story, 24x30 all open on both floors with bath, kitchen, oil H A heat and fireplace Pond on property, twp road access, excellent recreational location - near Milesburg Asking $38 900

2 ACRES - Recently renovated 3 bdr with bath, new kitchen, wood burner, near McAlovey's Fort Huntingdon Co Asking $39,900

LAND

300 ± ACRES - Near Tyrone Asking $90 000 with good owner financing available

We have other tracts 46 and 64 acres, call for details

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CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

208 acre limestone dairy, 450 cow capacity w/double 8 parlor, 7 silos, modern house. Call Mr. Niesley.

128 acres dairy and beef, 40 stanchions, 2 silos, 40x100 beef barn, modern 4 bdr. house plus tenant house. Nice setback, 2 streams. Call Mr. Niesley.

33 acres secluded, 20 wooded, no buildings, stream. Call Mr. Niesley.

11 acre with good view to develop home site or farmette. Call Mr. Niesley.

JUNIATA COUNTY

140 acre dairy, 47 free stall, 8 stall milking stable, 2 silos, modern 3 bedroom rancher. Call Mr. Crawford.

106 acre dairy, 20 comfort stalls, modern frame house, 10% owner financing. Call Mr. Benner.

60 acres of timberland. Call Mr. Benner.

20 acres of open ground No buildings. Call Mr. Benner.

PERRY COUNTY

157 acre dairy farm, loose housing with 9 stall milking stable, modern 4 bedroom house. Call Mr. Benner.

19 acre farmette, new 2 story southern colonial brick and aluminum house, situated on ridge, fantastic view; 30x48 barn with horse stalls, stream, secluded, near New Port. Call Mr. Benner.

8 wooded lots, 1 acre to 1.7 acres. All with septic permits. Deer country $4600 to $9400. Call Mr. Orris

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BEDFORD COUNTY

GAME FARM & FISH HATCHERY -368 acre property - 200 acres fenced for private or commercial big game hunting preserve. Warm water fish hatchery, 30 spring fed ponds, 10 acre lake, lodge, trout stream, 40 campsites, road frontage.

BLAIR COUNTY

GENERAL FARM - 131 acres (106 productive, tillable, 25 woodland & pasture), near Williamsburg. Solid 2-story frame house and bank barn ideally suited for livestock. Buildings are centrally located on land. Price $159,000

CENTRE COUNTY

GENERAL FARM - 123 acres (45 tillable, 32 pasture, 44 woodland). Excellent water supply. 2-story frame house, mostly remodeled, 30'x60' high clearance pole building. Yarnell area. $119,500.

DAIRY FARM. 136 acres, (113 tillable, balance pasture,) sound 2 story dwelling, excellent dairy facilities, including modern 1 story dairy barn w/52 tie stalls and attached free stall heifer barn w/40 stalls, 3 concrete stave silos w/unloaders and 2 story bank barn in addition. Pond. $299,000.

TWO LISTINGS - 2 MILES EAST OF REBERSBURG

10 ACRE FARMETTE - frontage on Rt. 192. Sound 2 story house, new 30' x 60' 2 story barn & garage. Nice laying land. Suitable for a limited acreage dairy operation with the adjacent barn listed below $52,500. 45 acres of woodland also available.

2 STORY BANK BARN, 41' x 90' with a 40' x 45' attachment. The barn has 27 tie stalls & an attached milkhouse 2 silos, 12' x 50' & 10' x 35', 2 implement sheds 2 acres of land included. Small additional acreage available $35,000. Adjacent to the farmette above

GENERAL FARM - 105 Acre 92 acre highly productive tillable land, 15 acres pasture and woodland. Very good house, barn, garage, stream. Nittany Valley near Hublersburg. $177,500. Owner Financing.

GENERAL FARM - 215 acres in Curtin Township near Romola, adjacent to Sproul State Forest. Picturesque with tillable and wooded acreage; 2-story house, 2-car garage, very good condition Stream provides water for house and pond. Excellent investment, ideal for horses or recreation. $150,000 Owner financing.

GENERAL OR HOG FARM - Near Spring Mills, 75 acres (30 tillable, 12 pasture and 33 woodland) 2-story frame house, 40'x70' bank barn with 29'x39' attachment, 2 corn cribs. Barn equipped for farrowing and finishing hogs. Small stream. Approximately 18 miles from State College. $92,500.

CLINTON COUNTY

GENERAL FARM 183 acres near Loganton. 83 acres productive tillable land, 9 acres pasture, 89 acres woodland. Very good 2 story frame house, large bank barn, garage, hog pen. Small stream, well & 2 springs Joins state forest land $172,500, owner financing.

COLUMBIA COUNTY

HOG AND BEEF FARM - 233 acres (130 productive tillable land, 19 pasture, 79 woodland). Excellent house, good barn adapted for farrowing and finishing hogs, outbuildings, nice setting. 10% owner financing $275,000

HUNTINGDON COUNTY

LIVESTOCK FARM - 419 acres (approx 220 acres tillable, 140 acres pasture, 59 acres woodland) Buildings include a brick home, 2 barns, garage, 2 silos, 2 large euipment sheds 3 ponds are situated near the buildings. $345,000. Owner Financing

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture & 30 woodland). 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 2 concrete stave silos with unloaders & miscellaneous outbuildings Dairy facilities are less than 2 yrs. old Spring water $295,000. Owner Financing

GENERAL FARM, 185 acres, (95 tillable, 24 pasture, 62 woodland) 2 story log constructed dwelling with frame attachment, bank barn, implement shed, outbuildings, 2 ponds, stream $148,000

GENERAL FARM 218 acres, (80 clear land, balance wooded) Petersburg, refinished 2½ story house, 2 story bank barn, garage and outbuildings Several springs. $164,500

LYCOMING COUNTY

LIVESTOCK OR DAIRY FARM - Near Lairdsville 270 acres (165 level, very highly productive tillable). Good 2 story house, bank barn, 60 x 120' cattle barn suitable for freestalls, 20 x 60' Harvestore, 2 streams Owner financing $325,000

MIFFLIN COUNTY

GENERAL FARM - 75 acres (63 tillable) balance pasture and woodland A very nice 2-story house in a picturesque setting Includes bank barn suitable for livestock or horses $115,000

DAIRY FARM - 90 acres, (75 tillable, 9 pasture, 6 woodland) 2- story frame and stone house, bank barn with 18 tie stalls, milk house, 14x60' silo, small stream. Near McVeytown. Good road frontage $148,500.

DAIRY FARM - 91 acres, (60 tillable, 3 pasture, 28 woodland). Frame house, tenant house, milking barn with 32 tie stalls, freestall barn with 60 free stalls, 20'x60' & 16'x60' silos, implement shed and shop. Near McVeytown. $200,000.

NORTHUMBERLAND COUNTY

GRAIN OR LIVESTOCK FARM -Near Turbotville. 231 acres (174 very productive tillable). Good 2 story house, bank barn, implement sheds, & like new grain drying facilities. Owner financing. $325,000.

GENERAL OR LIVESTOCK FARM - 105 acres. (100 acres highly productive tillable land. 3 acres pasture), excellent road frontage. 2-story house, barn & outbuildings $185,000, owner financing.

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ADAMS COUNTY

85 acre beef and hog fa[illegible]. Large 4 bedroom stone house silo, hog[illegible] several hundred, corn barn & grain b[illegible] other buildings including chicken house. Almost all land is tillable. Priced for a quick sale with owner financing @ $159,900.00.

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YORK COUNTY

12 acre farmette with a 4 bedroom ranch house oil heat + a wood burner for economical living. There is a large steel building only a few years old with box stalls and loose housing for steers or cows. Private setting and in excellent condition. Priced under replacement costs at $109,900.00 and nicely located with seclusion.

NORTHUMBERLAND COUNTY

115 acre general farm with 2½ story brick house in excellent condition with central oil heat. This farm has 2 silos but no barn. An excellent time to make it what you want. You could build a dairy, beef, hog or chicken operation. This one has excellent owner financing terms. You'll need to call as this one shouldn't last long at $139,900.00.

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FARMS & LAND

F1-235 Mini farm, 16 acres, mostly tillable, in Union Co. 1½ story house w/fireplace Bank barn & more. Only $65,000.

F1-2-29 4½ acre poultry farm in Snyder Co 2 story house, 3 story poultry house which includes fans, waterers, chain feeders, aux. power unit, exc. $110,000.

R1-2-119 From hummingbirds to Canada geese. Enjoy them daily on this 56 acre bird paradise includes 25 acre lake. Close to town. Lovely brick ranch home. Great retirement place. Only $92,500.

L1-2-38 60 acres mountain land in Southern Montour Co $27,000.

F1-2-34 Snyder County Amish farm. 126 acres. Over 80 acres tillable. 20 acres permanent pasture. $115,000.

F1-2-31 Dairy farm w/cows and machinery in Union County. 140 acres w/over 100 acres of excellent tillable soils. All for only $324,000. Or buy farm only. Some owner financing.

F1-2-28 10 acre turkey farm. Modern. Over 76,000 square feet of floor space. Dirt floors. 45 KW auxilliary power included. Union County $390,000

F1-2-23 Dairy farm in Union Co. Good producing farm with 3 silos and unloaders. 102 free stall barn, bank barn, etc. 1000 gal. bulk tank, pipeline milking system, 75 acres approx. 65 acres tillable, class II and III soils. $199,000.

F1-2-25 Union Co. 50 acre general farm. Limestone Twp. near White Springs. 35 acre tillable. Excellent producer $100,000. Road frontage near Selinsgrove on U.S. Rt. 522. With or without buildings. Excellent business location. High traffic area.

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PRIVATE BOARDING SCHOOL: 80 acres with frontage on lrg. lake in Adirondack Mountains near Lake Placid. Very good year round facilities accomodate 50. Appraised at $240,000. INCLUDES: sail & power boats, sports, photography & woodworking equipment, Van, tractor & grounds equipment. JUST LISTED! $157,500 CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355... FREE DAIRY CATALOGUES.

CENTRAL NEW YORK

COMPLETE DAIRY NEAR MORRISVILLE: includes 70 milkers, 25 bred heifers, calves, yearlings, 4 tractors & complete machinery. 200 acres alfalfa soils, 120 tillable. Barn has 95 stalls, Boumatic pipeline, (2) 18x55 concrete unloading silos, cleaner. Neat ranch style home. OWNER TERMS $330,000. CALL WIMPLE'S SLOANSVILLE OR WEST WINFIELD OFFICE: 315-822-5763

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64 STANCHION DAIRY FARM
284 acres, 160 acres tillable, level for farming, 90 acres woods, 24x70 silo, 2 Agway machine sheds, large shed 120x36', 1,000 gal. bulk tank, nice house, $295,000.

CENTRE COUNTY
Centre Hall, State College. 152 acre dairy farm. 85 tie stalls. Machine shed, Heifer barn, Silos, Pipeline, Tank, Limestone Soil. Stock & equipment can be bought $650,000.

BRADFORD COUNTY
Troy, Rt. 6, 30'x40' 2½ story block building, ideal for camp, on lot 100'x300'

LANCASTER COUNTY
Bowmansville, 3 bedroom stone and frame house, 2 fireplaces, on 20 acres of woods.

EAST END NITTANY VALLEY CLINTON CO.
112 acres general farm, limestone, 60 acres farmed, more can be farmed, 28 acres pasture, owner financing, $165,000

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BERKS COUNTY

97 acre dairy farm, level limestone soil, 50 cow stall barn w/pipeline bulk tank, features lovely 2½ story brick home w/modern kitchen, living room, 3 bedrooms & bath 6 bedrooms second floor. Group heifer facilities 20x60 concrete silo 17x45 silo w/unloader, large 3 car garage, 80x30 machinery shed, & corn crib, pasture w/stream, lovely setting, operating farm. $350,000.

87 acre general farm w/2½ story stone double house, 6 bedroom, 2 kitchen, 2 living room, 2 baths, large barn, garage, out buildings. Call for details. $150,000 #363.

MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more. A very lovely setting, **$385,000 Reduced to $300,000.**

SNYDER COUNTY

65 Acre general farm w/88x45 barn w/block addition. Large 90x36 implement shed, lg. combination corn crib & shed. Lovely 2½ story home w/kitchen, dinning room, living room 3 bedrooms & bath. Completely remodeled. $125,000 #344.

OTHER FARMS AVAILABLE
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BRADFORD COUNTY

New

225 acre 147 T dairy farm w/new 42 stall dairy farm barn. 800 gal tank, 2" pipeline, barn cleaner, 6 concrete silos w/unloader & feed mixers, good 2½ story colonial house w/10 rooms and 2 baths and outbuildings $225,000.

SUSQUEHANNA COUNTY

140 acre dairy farm, 95 tillable, gently rolling to almost level A picture clean farm operation with 42 stanchions, stainless steel pipeline, 2 box stalls, 6 calf stalls & enclosed spreader pit. Two 20 x 40 concrete stave silos with unloaders, 650 gal bulk tank, 2 large poll sheds for machinery & heifers, frame 8 room 2½ story house, modern kitchen, 1½ baths, carport & patio Must be seen to appreciate $225,000 #324.

New

275 acre dairy farm w/lovely split level home, lr., dr., frm., laundry, 4 bedrm., 1½ baths, 112 stall barn w/pipeline milking system, heifer barn, machinery shed, completely remodeled 2 story tenant house, dr., kitchen, frm., lr, 3 bedrooms, 1½ baths Also 200 head of cattle, & full line of machinery $600,000.

437 acre dairy farm, 50 stall barn with pipeline, bulk tank, barn cleaner & 18x50, 14x50 & 12x40 silos. Heifer barn & machinery shed, shop & garage. Lovely stone & frame Colonial home with modern kitchen, 8 rooms & 2 baths. Also new second home with 5 rooms & bath Call for details. $325,000.

BUCKS COUNTY

100 acres of level Tinicum Bucks County soil, 95T., features lovely 2 story double home w/11 rooms & 2 baths. 2 story bank barn w/50 stalls 1 mi road frontage A good operating dairy farm. $360,000.

145 Acre jug milk farm superb facilities, lg. store & sales area, 3500 gal milk holding capacity, modern processing facility including ice cream making, 185 cow free stall, 5 lg. silos, lg. heifer facility, 2 double houses & 1 single home, shop, storage sheds, outbuildings, 200 cows, 250 heifers, full line of machinery additional rental acreage available Call for details $1,5000,000

171 Acre jug milk farm w/good sales store, double 6 low line parlor, 120 free stalls, 3000 gallon milk holding capacity, 20x80 & 30x60 silos, 100' & 70' bunk feeders, large 6 bedroom home, completely modern, lovely 2 bedroom ranch Also full line of cattle & machinery available Call for details $650,000 A 358

100 acre general farm w/large brick 5 bedroom home, 1½ baths, in good cond., large 2 story bank barn, 20x60 concrete silo w/unloader & lots of frontage (adjoins 171 acre farm) $348,000

MONTOUR COUNTY

NEW

53 acre general farm 30T features lovely 2½ story home w/9 rms and baths New 16x32 in ground pool, bank barn, sheep pens, corn crib & chicken house #366 $105,000

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled. Slightly rolling & level good ground $225,000, make an offer, reduced $175,000 #310.

187 acre dairy farm, 170 T, pasture w/stream, 2 solid and lovely farm houses, 130 free stall barn, 70' bunk feeder, harvestore and concrete silos w/unloaders, 2 large trench silos, large machinery shed, 2 large heifer sheds and much more $530,000

NEW JERSEY

80 acre dairy farm, gently rolling to level, streams & pond. 2½ story home with 4 bedrooms & 2 baths, large remodeled kitchen, dining rm, & laundry. 60 stall barn & 80 freestall milkhouse, bulk tank, large shop, new large machinery shed & corn crib. 14x40 concrete silo & 200x25 trench silo $250,000

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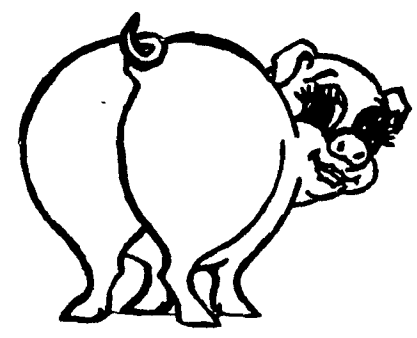
ENDING WEIGHTS	120#	40#	132#	44#	161#	53.67#
STARTING WEIGHTS	56#	18.67#	56.5#	18.83#	68#	22.67#
TOTAL GAIN	64#	21.33#	75.5#	25.17#	93#	31#
TOTAL POUNDS OF FEED	201#	67#	200#	66.67#	203#	67.67#
FEED EFFICIENCY	3.14#		2.64#		2.18#	
AVERAGE DAILY GAIN	2.28#	.76#	2.70#	.90#	3.32#	1.11#
WORMER COST	44.5¢		35.4¢		.00¢	
FEED COST	$14.75		$15.90		$22.33	
TOTAL COST	$15.20		$16.25		$22.33	
TOTAL COST/#GAIN	23.75¢		21.52¢		24.0¢	
VALUE/POUND	$1.30		$1.30		$1.30	
GAINED WEIGHT VALUE	$83.20	$27.74	$98.16	$32.72	$120.90	$40.30
MINUS TOTAL COST	$15.20	$5.07	$16.25	$5.42	$22.33	$7.44
NET $$$$	$68.00	$22.67	$81.91	$27.30	$ 98.57	$32.86
WAYNE DIFFERENCE		$10.19		$ 5.56		$$$$$$



This trial was set up with three groups of three pigs each. One group was fed Tramisol Wormer along with Tylan. The second group was fed Atgard Wormer with ASP-250. The third group was fed Waynextra #6 (Banmith/Mecadox). All pigs were fed according to label directions for 28 days. Results are below.

We owe a special thanks to Ervin Rutt and son Joel for supplying the pigs, facilities, and labor that made this project a success.

This test was supervised by Dr. Robert Graybill, D.V.M. and Chet Hughes, Lancaster County Extention Agent.

RESULTS: 28 DAY TRIAL

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Fagan is new northeast Game Commission supervisor

HARRISBURG — J. Richard Fagan, assistant supervisor for information and education in southeastern Pennsylvania, has been named the new supervisor of the Game Commission's northeast field division at Dallas.

Fagan, 44, will succeed Robert H. Myers who retires December 31. Myers has been the northeast division since 1980.

The northeast division includes the counties of Bradford, Carbon, Columbia, Lackawanna, Luzerne, Monroe, Montour, Northumberland, Pike, Sullivan, Susquehanna, Wayne and Wyoming.

Fagan, a native of Huntingdon, attended Juniata College before joining the Game Commission in 1965. His first assignment was in Dauphin County, where he served as a district game protector for a short time.

The new supervisor was a district game protector in Lehigh County from 1966 until 1975. He was land management officer for Bucks, Lehigh, Northhampton and Montgomery counties for a year, and then was promoted to assistant supervisor for information and education in the southeast division at Reading in 1976.

Fagan and his wife, the former Jean Marie Lilly of Huntingdon, have two children, Chris, 22, and Carolyn, 14.

Myers is concluding a 32-year career with the Game Commission that began when he enrolled as a member of the sixth class at the training school in 1960. Prior to that, he had graduated from Hawthorne High School, and attended Maryville, Tenn., College.

Myers served as a district game protector in Wayne and McKean counties for twelve years, and as a land management officer in the northcentral division for three years.

The retiring supervisor was promoted to southeast division assistant supervisor for information and education in 1966, and was named Pittman-Robertson area leader two years later. Myers went to Dallas as assistant supervisor for law enforcement in 1970, and was promoted to division supervisor in 1980.

Myers and his wife Betty, also formerly from Hawthorne, have three children, John, 30, Carolyn Sue, 26, and Robert, 23.

Dairy, Livestock Day March 1

UNIVERSITY PARK — The second biennial Dairy and Livestock Day will be held March 1 at Penn State. Registration is set for 9 a.m. in the Keller Conference Center at University Park.

Morning topics will stress the outlook for dairy and livestock marketing and financing, plus the future for dairy and livestock products. The afternoon will feature separate sessions devoted to dairy cattle, beef cattle, swine, and sheep.

The annual Cattlemen's Spring Banquet will close the evening that night.

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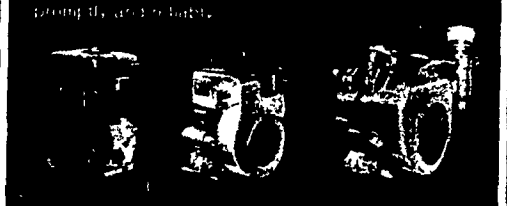

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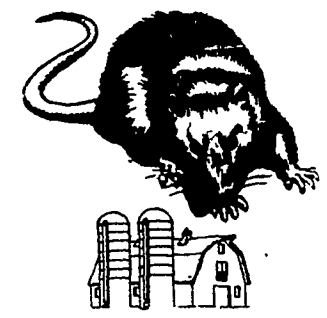

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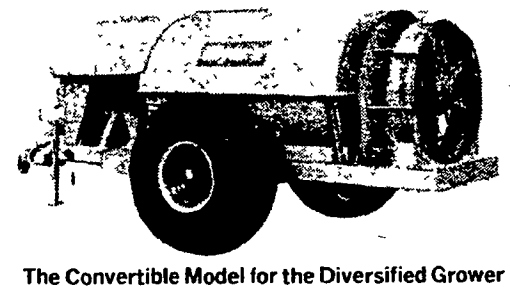

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What's the future for Md. agriculture?

COLLEGE PARK, Md. — More large farms. More small intensive farms. More part-time farms. This is what a cross-section group of Maryland agricultural leaders predict for the Old Line state in the next 18 years.

Other forecasts for Maryland agriculture in the year 2000 include more intensified commercial production of vegetables.

Major problems for the state are expected to be farmland taxation and preservation of agricultural land, along with continued pressures on natural resources — particularly water supplies.

At the national level, concerns about monetary policy rank high on a list of priorities, as do public measures to assure the profitability of rural enterprises—especially agriculture.

Continued promotion of foreign trade in agricultural commodities is seen as a favorable policy position, along with the removal of farm exports as a tool of international diplomacy.

Difficult times are seen for public programs which must depend on federal funds.

These are the highlights of A Survey of the Views of Maryland Leaders in Rural Development and in Food and Agriculture, a mimeographed report published this fall by Philip G. Favero. Favero is an Extension community resource development specialist at the University of Maryland in College Park and executive secretary of the Maryland Rural Affairs Council.

The report is based on a survey of agricultural leaders in the state, which was conducted this past summer. Some 225 questionnaires were sent out, and 87 were completed and returned. Persons receiving the questionnaire were asked to rank 38 separate policy issues.

Questionnaires were sent to all county offices of the University of Maryland's Cooperative Extension Service, as well as to local offices of the U.S. Department of Agriculture's Soil Conservation Service and Agricultural Stabilization and Conservation Service.

They also went to selected leaders in business and industry, citizen consumer groups, higher education faculties, environmental groups and certain other public agencies throughout the state.

Favero notes that the report was prepared in response to a request from the Maryland Food and Agriculture Council to assist in developing information about rural development and food and agriculture in Maryland. The report has been forwarded to policymakers at the U.S. Department of Agriculture in Washington, D.C.

Financial support for the survey was provided by the Maryland Crop Reporting Service, the state Soil Conservation Service and the University of Maryland's Cooperative Extension Service.

Copies of the 25-page report may be obtained by contacting Dr. Philip G. Favero, Maryland Rural Affairs Council, 3320 Symons Hall, University of Maryland, College Park, Md 20742; phone: 301/454-5420.

'83 Md. tobacco markets to open March 15

ANNAPOLIS, Md. — Tobacco growers in Maryland will be getting an early start on the 1983 auction season, according to the Maryland Department of Agriculture.

The State Tobacco Authority, which is attached to MDA, has asked that the auction sales season begin March 15 and run for eight weeks, concluding on May 5. Sales will run Monday through Thursday with no sales to be held on Easter Monday, April 4.

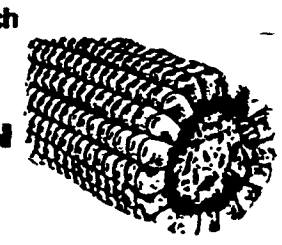
Tobacco auctions are held at eight warehouses located in Wayson's Corner, Upper Marlboro, Hughesville, La Plata and Waldorf, some having morning sales and other scheduling afternoon auctions.

In 1982, Maryland tobacco auctions saw a record of more than $58 million paid to farmers for 33,258,468 pounds of Type-32 leaf. This was a record season average of $174.46 per hundredweight.

The 1982 crop, which will be sold at the 1983 auction markets, is estimated to be a modern-time high at 35.7 million pounds.

Maryland tobacco, known in the trade as "Type-32", is a light, air cured burley leaf famed the world over for its even and cool burning qualities. It still is favored in Europe which has been buying it since the 1640s.

More farmers each month prefer to buy their



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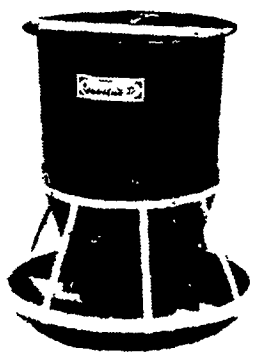

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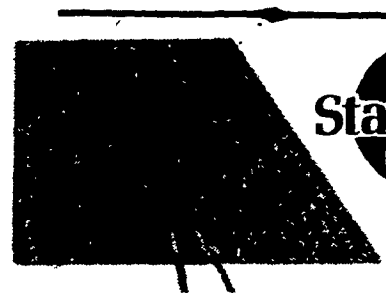

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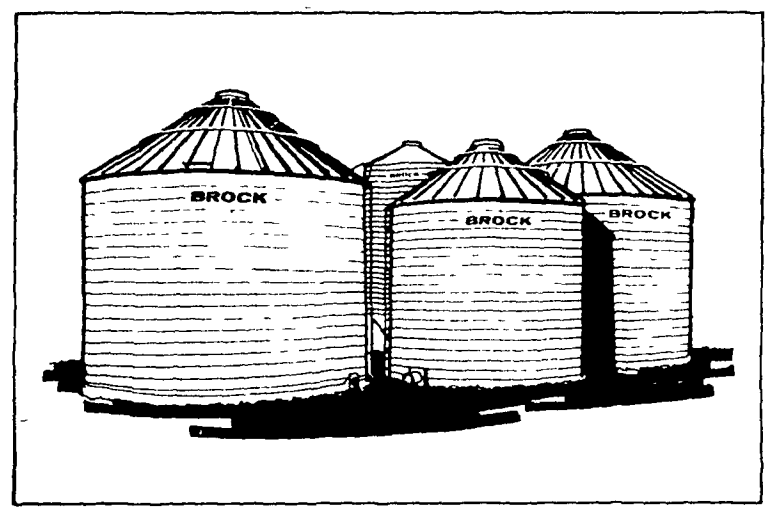

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USDA, Israel combine dairy research efforts

BELTSVILLE, Md. — A $190,000 research grant to improve dairy cattle has been awarded to ARS' Animal Improvement Programs Laboratory and the Volcani Institute in Israel, said U.S. Department of Agriculture researcher Frank N. Dickinson.

Dickinson said the money, granted under the Binational Agricultural Research and development agreement between the U.S. and Israel, will be used to improve the procedures for estimating genetic merit of dairy bulls and cows in the U.S.A. and Israel.

Dickinson said research funds granted under BARD came from interest on $80,000,000 jointly invested by the United States and Israel.

Current systems for evaluating the genetic worth of dairy cattle do not sufficiently take into account certain effects on herd management and do not adjust for the influences of some economically important traits.

Millions of dollars are spent each year in progeny testing bulls in both countries and maintaining them under their evaluations are complete, said Dickinson. Furthermore, he said more millions are spent by farmers to purchase genetically superior animals and bull semen to improve their herds. Therefore research on more accurate genetic evaluations has a high payback through improved production efficiency.

The Israelis have improved their dairy cattle through outstanding data collection procedures. Researchers hope to combine these features of the Israeli research with the U.S. techniques for extensive data processing and statistical analysis to improve current dairy bull and cow evaluations, said Dickinson.

Past improvements in genetic evaluation procedures for dairy cattle have contributed to increased demand for U.S. dairy cattle, bull semen, and fertilized embryos in foreign countries. More accurate genetic evaluations of a wider range of economically important traits should increase foreign demand for U.S. dairy cattle and should benefit both dairymen and the U.S. balance of payments, said Dickinson.

Round bales minimize flies

The Round Bale Stable Fly Connection

COLUMBIA, Mo. — Farmers who store large round bales of hay in a way that minimizes spoilage loss may also minimize the number of stable flies around their livestock.

In the summer, bloodsucking stable flies may reduce cattle's milk production and weight gain and also predispose the animals to infections.

Researchers of the ARS Biological Control of Insects Research Laboratory, Columbia, Mo., and the University of Missouri-Columbia found stable fly larvae or puppae in the undersurface of most bales stored outdoors in a survey of 12 sites in central Missouri. Exceptions were bales that were wrapped in plastic or stored on crushed rock, said ARS entomologist Gustave D. Thomas.

The survey was conducted to help the scientists develop pest management programs against flies affecting pastured cattle.

Bales in an advanced state of decay during the wet summer appeared less attractive to stable flies that actively fermenting bales that were only a few months old.

Aligning bales on a north-to-south axis to permit sunlight penetration under rounded edges, moving bales to well-drained sites and leaving a spacing between bales to promote drainage will help reduce spoilage and stable fly breeding sites, Thomas says.

In another survey, ARS entomologist Philip J. Scholl at Lincoln, Nebr., observed that uncovered silage piles were an important overwintering site for stable flies. Most stable fly maggots where within about 2 feet of moist silage and soil along the edges of the piles.

Estate planner to speak at Hunterdon, N.J. meeting

FLEMINGTON, N.J. — An Agway estate planning consultant, Joseph Stracar, will address the Hunterdon County, N.J. Board of Agriculture at its meeting on Wednesday, Jan. 5 at 8 p.m., in the Hunterdon Extension Center, Rt. 31, north of Flemington.

Stracar will discuss the broad subject of estate planning for farm families, highlighting the most important issues.

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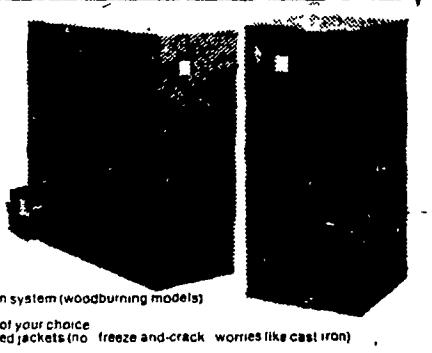

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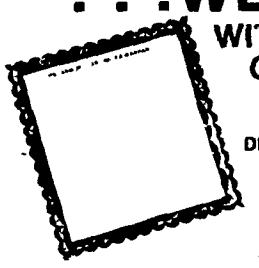

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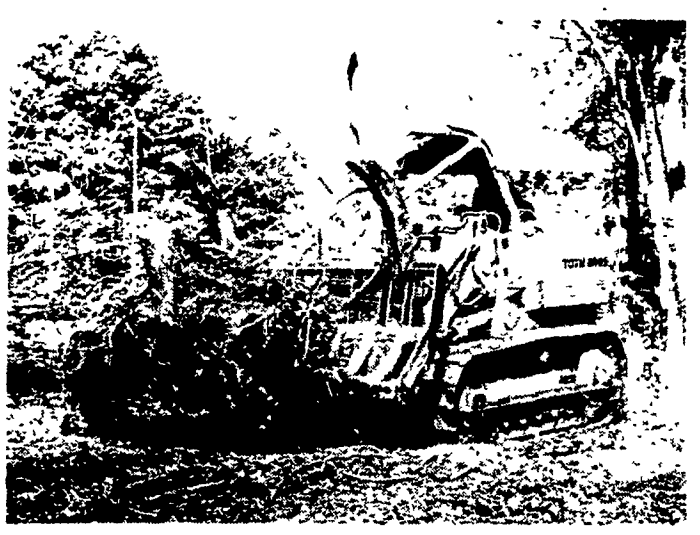

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Farm Builders Conference coming Jan. 20-21

STATE COLLEGE — The second annual Farm Builders Conference and tour will be held Jan. 20-21 in State College. The conference is sponsored by Penn State's Department of Agricultural Engineering.

The two-day program includes tours of five area farms. Participants get a chance to see new building and remodeling ideas and how these buildings perform in cold weather. Participants also will visit ventilation and heat recovery labs at Penn State.

The Thursday program consists of tours beginning at 10 a.m. and ending around 4:30 p.m. There is an evening banquet with a presentation on USDA Farm Energy Programs by Richard E. Phillips, USDA Extension Agricultural Engineer from Peoria Illinois.

Friday's program consists of morning sessions on planning a complete dairy housing system including: selection, evaluation, preparation, and layout of the site; feed storage and handling systems; manure storage and handling facilities; milking center systems; entire herd requirements, and stray voltage.

Participants can choose one of three forms of registration. For the entire conference the cost is $40 per person or $25 for either the Thursday program or the Friday program.

The $40 fee includes bus transportation, speaker expenses, instructional materials, Thursday's and Friday's lunches, Thursday's banquet, refreshment breaks, and other expenses necessary for conducting the tour and conference.

A $25 fee includes bus transportation, speaker expenses, instructional materials, Thursday's lunch, Thursday's banquet, refreshment breaks, and other expenses necessary for conducting the tour.

On Friday, a $25 fee includes speaker expenses, instructional materials, lunch, refreshment breaks, and other expenses necessary for conducting the conference.

To obtain a complete program and enrollment information contact Agricultural Conference Coordinator, Penn State, 409 Keller Building, University Park, PA 16802, 814/365-9547. For information about program content or exhibits contact Daniel J. Meyer, Penn State, 204 Agricultural Engineering Building, University Park, PA 16802, 314/865-7685.

Frozen batteries are dangerous

UNIVERSITY PARK — If you use either battery chargers or booster cables do not attempt to jump start or charge a frozen battery.

A "dead" battery freezes at temperatures below 15 F. In this condition there is added danger of an explosion from sparks near the vent holes. A battery emits explosive hydrogen gas.

To avoid the risk of injury remove the battery and move it inside to warm up before attempting to put the battery back in service.

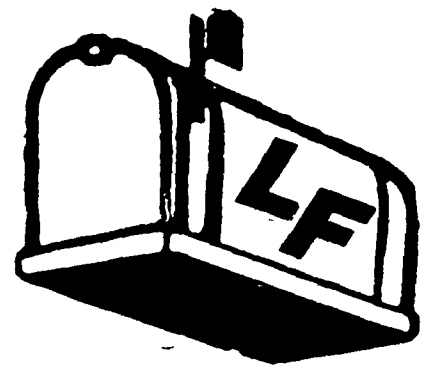
Dennis Murphy, Penn State Extension safety specialist says, when connecting a charger, follow these safety precautions:

- Charge only in a well-vented area.
- Wear safety goggles for maximum eye protection.
- Be sure water (electrolyte) is at the proper level. It should cover the plates. If the level is low, add water.
- Place a damp cloth over the vent caps.
- Be sure your charger switch is in the "off" position and that the charger is unplugged before connecting or disconnecting it.
- Make the positive (+) connection first. If you are hooking up your charger with the battery in the car, make the negative connection to a good ground, away from the battery.
- Do not smoke or light a match when working around a battery.

When using booster cables, follow the precautions recommended for connecting a battery charger. Be sure your batteries are of the same voltage. Make your connection as follows:

- Connect the positive (+) cable to the positive post of the "dead" battery.
- Connect the other end of that cable to the positive post of booster battery.
- Connect the other cable to the negative post of the booster battery.
- Make the final connection to the engine block of the stalled car, away from the battery.
- Stand back, start the engine and remove the cables in reverse order.

HANDY CLASSIFIED AD ORDER BLANK



IMPORTANT: Be sure to include name, address, and word count
PLEASE WRITE CLEARLY

Please publish my _____ word ad _____ times
(Number of Words) (Number of Times)

starting with the _____ issue. Classify under _____.

I enclose _____.

MAIL TO:
LANCASTER FARMING
P.O. Box 366, Lititz, PA 17543

NOTE: Please do not use this form for Mail Box Market Ads, see instructions in Section B with Mailbox Markets.

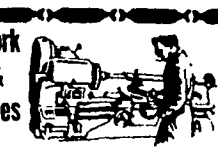
DEADLINE: 9 A.M. THURSDAY OF EACH WEEK'S PUBLICATION

RATES: 20¢ Per Word, $2.40 Minimum Charge

For ads running 3 or more consecutive times with no change deduct 20 percent discount. (See rate chart at beginning of classified section for an example of discount.)

1	2	3	4
5	6	7	8
9	10	11	12-$2.40
13-$2.60	14-$2.80	15-$3.00	16-$3.20
17-$3.40	18-$3.60	19-$3.80	20-$4.00
21-$4.20	22-$4.40	23-$4.60	24-$4.80
25-$5.00	26-$5.20	27-$5.40	28-$5.60
29-$5.80	30-$6.00	31-$6.20	32-$6.40
33-$6.60	34-$6.80	35-$7.00	36-$7.20
37-$7.40	38-$7.60	39-$7.80	40-$8.00

Machine Work
Welding &
Farm Supplies
Hardware

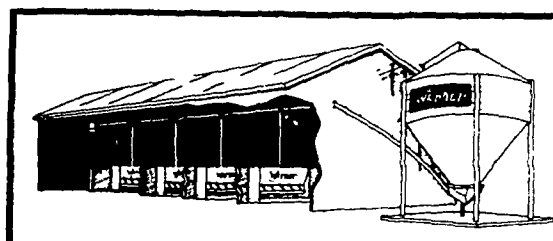


D.S. MACHINE SHOP
DAVID E. STOLTZFUS

3816 E. Newport Road
Gordonville, PA 17529
1 Mile East of Intercourse on Rt. 772
Write or Call: 717-768-8569
If no answer call: 717-768-3568

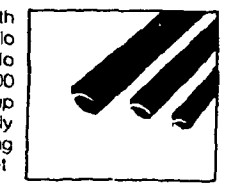
CUSTOM BUILT WOOD & COAL FIRED BOILERS

- Welders & cutting torches
- Custom made farm gates, etc.
- Custom built high pressure washers
- Stainless steel, aluminum and spot welding.
- UPS Service

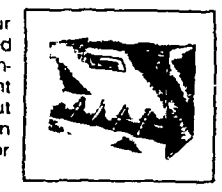


Flex-Flo delivers feed and savings

Cut your livestock feeding costs with Warner s custom engineered Flex Flo feed delivery systems Flex Flo automatically delivers from 1000-6000 pounds per hour of clean dry feed up to 300 feet from the bin The specially formulated corrosion proof PVC tubing provides maximum flexibility and quiet rust-free operation



A Flex Flo system that meets your operation s needs can be engineered using Warner's array of modular components all designed for convenient assembly and long life To find out more about how Flex Flo systems can deliver bigger profits for you, call or write today



Warner

TRI-COUNTY

BUILDINGS SALES EQUIPMENT

SWINE SYSTEMS

PHONE 717
274-3488

608 E. Evergreen Rd.
Lebanon, PA

CLASSIFIED ADS

LOCAL CLASSIFIED ADVERTISING RATES

20c per word
2.40 minimum charge
Use This Handy Chart To Figure Your Cost

Words 12 or Less	1 Issue	3 Issues
13	2.60	6.24
14	2.80	6.72
15	3.00	7.20
16	3 20	7.68
17	3.40	8.16
18	3.60	8.64
19	3.80	9.12
20	4.00	9.60
	2 40	5 76

KEYED ADS (ads with answer coming to a Box Number, c/o Lancaster Farming) 50 cents additional.

Ads running 3 or more consecutive times with no change billed at 20 percent discount

Deadline: Thursday morning at 9 of each week's publication.

This newspaper will not be responsible for more than one incorrect insertion of any advertisement

Lancaster Farming
P.O. Box 366
Lititz, PA 17543
717-394-3047
or Lititz
717-626-1164

The following categories are available for your classified advertising

- ☐Farm Equipment
- ☐Silos & Unloaders
- ☐Buildings & Supplies
- ☐Grain Equipment
- ☐Dairy Equipment
- ☐Livestock Equipment & Supplies
- ☐Cattle
- ☐Horses & Mules
- ☐Sheep & Goats
- ☐Swine
- ☐Artificial Breeding
- ☐Hog Equipment & Supplies
- ☐Poultry & Supplies
- ☐Feed & Seed
- ☐Fertilizer
- ☐Plants
- ☐Fruits & Vegetables
- ☐Nursery
- ☐Lawn & Garden
- ☐Services Offered
- ☐Custom Work
- ☐Help Wanted
- ☐Situations Wanted
- ☐Business Opportunity
- ☐Trucks & Trailers
- ☐Autos
- ☐Recreational Vehicles
- ☐Notice
- ☐Lost
- ☐Found
- ☐Pets
- ☐Household
- ☐Miscellaneous
- ☐Real Estate

FARM EQUIPMENT

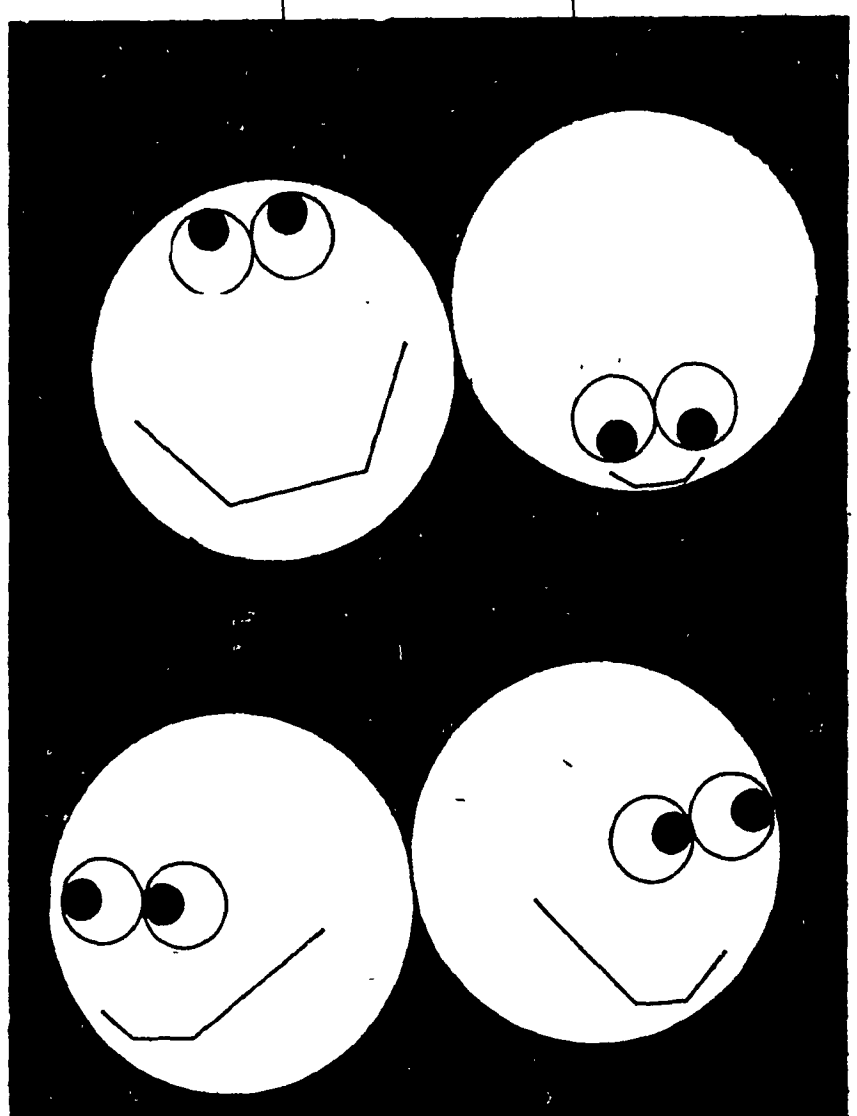
IH Cub, 4' rotary mower, $1800 or best offer, 215-679-9010

JD 350 dozer w/wench and roll over, also 6' and 8' blade, and a 6' root rake. Asking $7250. 717-225-4437

Wanted - good used JD 6600 or JD 4400 or Gleaner F combine. 814-328-2364 or 814-849-5754 after 7 p.m.

For Sale - White 5400 air 4-row planter seed monitors dry fertilizer hoppers $2700. Farmall H tractor with cultivators $800. John Deere 18 disc grain drill $500. 10' gandy applicators $150. 4-row 3 pt. Fergurson cultivator $600. 609-769-3245

For Sale - Custom built 2 row cornplanters using John Deere Max-Emerge plateless units. Can be pulled behind Pequea plow chassis using same hydraulic system. Early Order Discounts. Also horse drawn corn planters converted to plateless or row kits for self installation. 2 mi. North of Rt. 40 along Rt. 897 Lanc. Co. Gideon F. Stoltzfus, RD #2, Gap, Pa. Box 2276, 17527



DON'T LOOK ANY FURTHER!

YOU'LL FIND IT IN LANCASTER FARMING'S CLASSIFIEDS

FARM EQUIPMENT

JD 3020 diesel, wide front w/rollguard 814-793-4293

Franklin 132 AXL log skidder w/3-53 Detroit engine, 4 like new Firestone LF-2 tires. A set of ring chains, machine in good cond., asking $15,000, call after 6 p.m. 717-248-1827

Ford 3400 backhoe and loader. 814-793-4293

For Sale - MF 205 manure spreader, good cond. 717-687-6360

MF 1085 w/cab 814-793-4293

1982 Honda Big Red, 200E excell., cond. Asking $1425, 717-426-2655

For Sale - White tractor 2-62-4-W drive $17,500, JD 336 baler $6,300, JD 1209 Haybine $3,500. Chester Co. 215-593-5042.

Restored John Deere MT cultivators, 2 bottom plows, sickle bar and hay rake. Call 717-992-5130 anytime. $2,400.

Deutz D-7206 tractor, 3442 hrs., roll-guard, 2-remote valves, new 16.9x34 tires 301-662-7701

Notice - Tractor and small engine overhauling done at a reasonable rate. Experienced. Stephen S. Fisher, R.D. 1, Box 114, Lincoln University, PA 19352

770 Case tractor, 1972 gas model, new condition, hydrostatic, 5 gears, will sacrifice. 301-879-1811

Ford 641 tractor, 12 spd., hyd. snowplow, with chains, $2495. 717-395-3364. Bradford Co.

Deutz 100-06 (105 Horsepower), 680 hrs., fully weighted, like new $16,500. Also JD 11 point chisel plow. $1100. 301-972-8663

Farmall 560 diesel, good cond. with turbocharger, but needs TA. 215-857-3282 Chester Co.

For Sale - 350 Farmall tractor parts. 215-484-2695

For Sale - DC Case tractor, JD A tractor with loader, 717-249-1190

For Sale - Vermeer round baler, corn fodder chopper for NH baler, Cub Lo-Boy with rotary mower, Mustant skid loader. 215-777-0052

Deutz D6206 four wheel drive tractor, 400 hrs. w/weather cab, 3 pt. hitch, 888 Great Ben loader, $16,000. 717-532-8127

FARM EQUIPMENT

Special winter discounts on Shivvers grain drying equipment. Phone Agri-Equipment, Inc., at 717/656-4151

Special winter discounts on Shivvers grain drying equipment. Phone Ryder Supply at 717/263-9111

2 Farmall M tractors w/bucket, one IH 400 Cyclo 4 row corn planter, one IH 3 bottom trailing disc plow w/hydraulic lift, one IH 370 12' disc w/mulcher attachment, IH 58N 8' disc, one IH 153 4 row cultivator, one 165 gallon 8 row weed sprayer, 22' steel flatbed truck body. 215-666-5410 after 6 p.m.

Special winter discounts on Shivvers grain drying equipment. Phone Connie Anderson at 609/267-5605

Rotary mowers, Mohawk 960, 8' cut, self-leveling, good condition, $600. Also old Brillion, 5' mower solid condition, $200. 215-262-3674 7:30 A.M. - 5:00 P.M.

John Bean orchard sprayer, new FMC pump, 34" fan, electric valves and controls, slip over nozzles, propane powered, including dual 100 lb. saddle tanks, running condition, $3,500. 215-262-3674 7:30 A.M. - 5:00 P.M.

Manure spreader, unusual spreader, unusual front unloading type, PTO driven, wooden box, was used for mulching strawberries, good condition, $200. 215-262-3674 7:30 A.M.-5:00 P.M.

For Sale - Farmall 240 utility w/fast hitch, Farmall Super C, Pittsburg 12' transport disk, NI 30' elevator, IH 2 row fast hitch cultivator, NI #402 hay rake, McCormick #100 manure spreader, all field ready. 215-562-4464

For Sale - Slanzi diesel, good condition, also slow speed 7 H.P. Lister, good condition. Stephen L. Stoltzfus, Honey Brook RD #2, Box 64-A 19344 Chester County, Pa. 19344 1½ miles South of Honey Brook along Rt. 10

For Sale - JD 2940 tractor; Oliver #314 cushion trip plow $285. 717-733-0575

Cockshutt 30 tractor w/30" rear tires, exc. cond., good motor, 3 pt. hookup, $700. Small single row cultivator and tractor, $300. 215-267-6497.

FARM EQUIPMENT

JD 4020 Diesel, wide front, pwr. shift, side consoles, $7800, 717-532-7054.

For Sale - NH L35 Skid steer loader w/pallet fork, has never been in manure, in A-1 condition, $4,500. 717-532-8601

IH 806 diesel, original paint, wide front, 3 pt. hitch, 814-793-4293

10' Miller disc, good condition. 814-793-4293

Pincor 15KW PTO afternator on 3 pt. hitch, like new, $895, 250 gal. fuel tank w/pump $125. 717-569-9284 evenings.

JD 2520 diesel, dual hydraulics, wide front end. 814-793-4293

JD 4000 diesel, side console, 72 model, 814-793-4293

Prentice Knuckle Boom log loader mounted behind cab on 66 Intl. tandem with log bed, good condition, hauling daily, $8,500. 703-721-3408

For Sale - JD 520, PS, 3 pt., NFE, excellent condition, 914-355-4571

For Sale - IH 4386 w/450 hrs., 30.5x32, stereo, heater, air, IH 490, 24'7" disk, Krause 13'9" chisel plow, pull type. 717-528-4343 Adams County, Pa

77 White tractor, 290 Cummins with big cam, 38,000 lb. rears, 10 spd., 717-425-3697

1982 MF 265 diesel tractor, 500 hrs., immaculate condition, listed well below book for quick sale, $21,700 new w/accessories, now $12,500/offer. Serious buyers call collect 703-347-0191 after 8 p.m. weekdays, anytime weekends.

IH 205 combine, excellent condition, 227 corn head, 10' hume reel platform, $6,000. 215-285-6264

IH 1566 tractor, engine just rebuilt; IH 490 disc, 3 yr. service; IH chisel plow, $25,000 takes all. IH 2400 loader/backhoe, $4250. 301-841-6276.

JD 4400 combine, exc., condition, 1160 hrs., 4 row narrow head, 13' grain head, air conditioned. 814-632-7600 before 7 a.m. or after 8 p.m.

New Campbell-Hausfeld 5 HP two stage air compressor with unloader, $635. Chain hoist trolleys, 1 ton capacity, $20. Fisher Engine Service. 3141 Old Philadelphia Pike, Bird-in-Hand, PA 17505

FARM EQUIPMENT

Model AC Gleaner combine, diesel, 4 row narrow corn head, platform, interest and payments waived until Sept. 19, 1983, $7,000. 215-932-2753 or 215-932-2754

Wanted - Gehl No. 65 Mixall. Christ B. Stoltzfus, Christiana R#1 Box 330, Pa. 17509

IHC 815 combine, diesel, 4 row corn head, 30" 13' grain head, A-1 condition. 215-689-9376

For Sale - NH L775 skid loader, Diesel, in good cond. $6500. 717-532-8601

For Sale - JD #8 harvester w/new knives. Gehl BU 82 forage box, both in good cond. 82 Honda ATC 185 S 3 wheeler. Lanc. Co. 717-665-7434

For Sale - DVA [illegible] Slanzi diesel engine w/clutch, good condition. 717-354-8370

For Sale - Gehl BU85 forage wagon $900. JD 13 disc drill $135. JD 60H blower $250. Moving must sell. Lanc. Co. 717-859-2421

1086 IHC, 1466, 4430 JD, 4320, 4020, all used on our farm and all low hours. 717-547-2387

AC 500 planter, shoe-type, 4 row, 32", new fertilizer boxes, new chains, must sell before year's end. 215-932-2753 or 215-932-2754

For Sale - New and used Gandy applicators for planters, balers, blowers, etc. Gideon F. Stoltzfus, RD #2, Gap, Box 2276, Pa. 17527

One 3020 JD diesel tractor w/side console and WFE, in good condition, $7,000. 302-875-3113

NI #325 Super Sheller, 4 yrs. old, good cond. 717-587-1271

Wanted to buy - 16' harrow, prefer transport. Will consider drag harrow. Also JD mounted corn picker. 814-267-3397

1982 MF 1440 round baler, used 1 season, superb condition, priced low for quick sale at $5300/offer. Serious buyers call collect 703-347-0191 after 8 p.m. weekdays, anytime weekends.

310 NH baler, like new, 717-922-4103

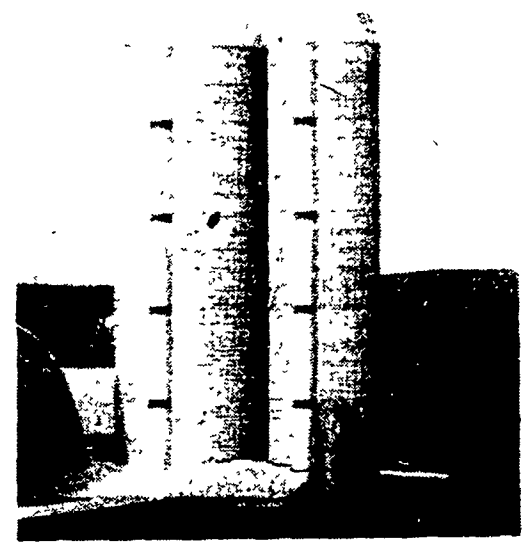
NI No. 744-N, 4 row corn head, good cond., 717-733-9145, Lancaster Co., must sell! Would like $5,000

LANCASTER SILO CO., INC.

STARLINE - SUPREME
VAN DALE
SILO UNLOADERS

2008 HORSESHOE ROAD
LANCASTER, PA. 17601

"LANCASTER" CONVEYORS
TAPER BOARD FEEDERS
BELT FEEDERS



"LANCASTER" CONCRETE STAVE SILOS
NO PRICE INCREASE FOR 1983 ORDERS.
LARGEST SAVINGS EVER FOR EARLY DELIVERY & EARLY ORDER DISCOUNTS.
ASK US FOR DETAILS ON LEASING OR DELAYED PAYMENT PROGRAM.

"AUTOMATIC" ROLLER MILLS (IN STOCK)
Low Profile #200 w/3 H.P. Motor
List - $1995.00 - SALE $1695.00
Low Profile #400 w/5 H.P. Motor
List - $2695.00 - SALE $2275.00

*** SPECIAL *** "RENTAL UNITS"
2 - #1200 EAR CORN ROLLER MILL BLOWER UNITS — P.T.O. - EXCELLENT CONDITION

#36 - $9,800 New - NOW - $5,800.00
#54 - $10,800 New - NOW - $6,800.00
(Terms Available)

"TILE" 4"x4" - 4"x6" - 4"x8" IN STOCK
Several Colors Available - 70¢ Sq. Ft.
For New Cow Troughs, Bunks. Makes Old Cow Troughs Like New, Easy, Simple Installation.

"TUBING" - 1¼" Hi-Strength -
For Gates - Panels - Fencing
.55¢ Ft. - In 24' Length - F.O.B.

MARYLAND TOBACCO BALE BOXES
We Have In Stock Now.
$295.00 Less Cylinder - $550 w/Cylinder

New Handyman Jacks in stock for Christmas Giving
$34.95 each
2 or more $32.50 each

CALL 717-299-3721
LARRY HIESTAND - OFFICE
WAYNE LLOYD - SALES

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

JOHN DEERE USED TRACTORS

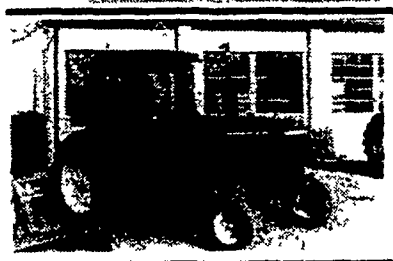
1010 RU Dsl.
4620 P. Shift Cab
4010 Dsl. W.F.E.
4020 Dsl. W.F.E.
4030 SYR. 4 Post R.G.
3010 SYR. Dsl.
3010 SYR. - Gas w/Side Mtd. Mower
630 Gas R.C.
70 Gas R.C.

OTHER FARM TRACTORS

2 - 135 White-Cab, Low Hrs.
M Farmall
460 IHC Gas
MF 65 Dsl.
Oliver 550 Gas w/Sauder Loader
AC 550 Dsl. w/Loader

JOHN DEERE 2630 DIESEL TRACTOR

Collar Shift -
Swept Back Front Axle
Priced at $10,200



JOHN DEERE 4230 DIESEL TRACTOR

Quad Range Trans.
Sound Guard Body
Priced At $16,900
JDFP Financing Available
Waiver To June 1-83

JOHN DEERE 2640 HU DIESEL TRACTOR

w/Roll Guard & Canopy
w/JD 146 Loader w/84" Bu.
Priced At $16,500
JDFP Financing Available
Waiver To June 1-83

JOHN DEERE 5400 S-P FORAGE HARVESTER

Cab w/Air C & HTR
18.4-26-8P Drive Whls., 1100-16-6P Steering Whls.
Excellent Condition
Priced at $27,500
JDFP Financing Available
Waiver To Sept. 1-83 For Corn

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE NEW EQUIPMENT SPECIALS

JD 2440 RU 28" whls. Hi/Lo
JD 4240 quad w/sound body
"40" Series close out specials. New Customer cash rebates and finance waiver until June 1, 1983 or cash in lieu of waiver.
JD 327 Baler w/#30 ejector
JD 337 Baler w/#30 ejector, JD waiver to May 1, 1983
JD 7000 4&6 row planters
JD money bonus & waiver to April 1, 1983
JD 6620 side hill combine w/215 flex platform w/643 corn head
JD 125 Dsl. skid steer loader
JD 90 skid steer loader
JD 6500 forage blower
JD 465 flail spreader
NI 325 2RN picker
NI 323 1-row picker
NI 272 7' cut/ditioner

SALE -- RECONDITIONED USED EQUIPMENT PRICES REDUCED

PTO MANURE SPREADERS

Tag 339	NI 224 w/Endgt	Reduced $500 to $3295
Tag 327	NI 218 w/Endgt	Reduced $595 to $3000
Tag 309	NI 213 Sngl Btr	Reduced $300 to $1295
Tag 287	JD 40 w/Endgt	Reduced $100 to $1450
Tag 296	NH 365 Tank Type	Reduced $400 to $995

GROUND DRIVEN SPREADERS

Tag 328	NI 206 (hubs only)	Reduced $100 to $1100
Tag 299	NI 206 steel whls	Reduced $525 to $1250
Tag 283	NI 206 (hubs only) w/dgate	Reduced $400 to $1095
Tag 214	NI 206 stl whl AS-IS	Reduced $50 to $350
Tag 305	NI 10A stl whl AS-IS	Reduced $120 to $175

CORN PLANTERS

Subject to interest waiver
To April 1, 1983, JDFP

Tag 165	JD 7000 4R Cons, dry fert. insect., monitor	Reduced $400 to $7550
Tag 141	JD 7000 4RW Reg., dry fert., insect., monitor	Reduced $800 to $4950
Tag 150	JD 7000 4RN Reg., dry fert., insect., mon., min till coulter att.	Reduced $100 to $5850
Tag 151	JD 1440 Zero Till 4R 80 plateless, dry fert. insect.	Reduced $145 to $2850
Tag 157	JD 1240 4R Plateless, dry fert., insect.	Reduced $900 to $1550
Tag 153	AC 500 4RW, dry fert., insect.	Reduced $700 to $750
Tag 164	AC 500 4R, fert., AS-IS	Reduced $345 to $250

NI 206 SPREADERS SPECIAL TERMS NOW BEING OFFERED WITH DOWN PAYMENT BALANCE CAN BE EXTENDED TO MARCH 1, 1983

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

206 New Idea Spreader Available
With or Without Steel Wheels
With or Without Endgate Att.

TILLAGE DISCOUNT

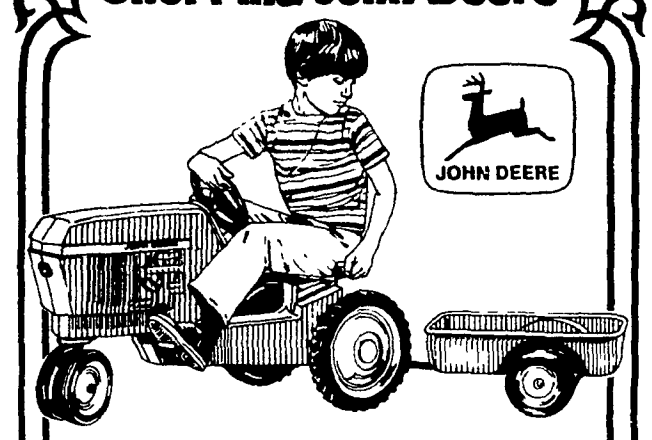
Make your best tillage deal with us; John Deere will make the deal even better

Now's the time to see us for a John Deere tillage tool. Besides the great deals we're making, John Deere is offering a 5 percent discount (off the latest suggested retail price of the base machine). Offer ends February 28, 1983.

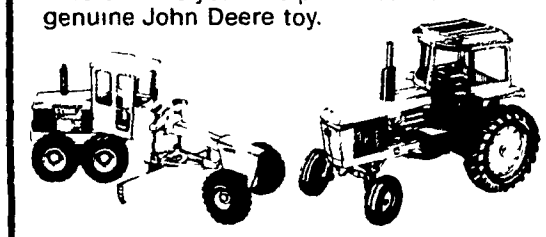
Equipment On Hand For Immediate Delivery

Model & Size	John Deere 5% Discount
115 Disk Harrow 10'0"	$162.90
115 Disk Harrow 11'5"	$198.25
315 Disk Harrow 12'10"	$400.45
235 Disk Harrow 18'6" (Cushon Gang)	$538.30
235 Disk Harrow 18'6" (Dura Cushion)	$722.05
1610 Chisel Plow 10'	$88.30
1010 Field Cultivator 18½'	$239.20
1010 Field Cultivator 25½'	$442.65

Christmas and Kids-- Two Very Good Reasons For Shopping John Deere



Toys . . . toys . . . toys We have a wide selection of the gifts kids want most for Christmas. Delight your youngster with a pedal-driven riding tractor and trailer Or choose from Blueprint Replicas™ of popular John Deere equipment Lawn and garden tractors, farm tractors, industrial tractors. Combines, skid-steer loaders, dealership trucks For collectors, historical tractor sets are also available. Give the children on your list something different this year. Surprise them with a genuine John Deere toy.



CHECK OUR LARGE SELECTION AND LOW PRICES

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

JOHN DEERE

FARM EQUIPMENT

Farmers & Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

JD 730 diesel, electric start, 3 pt. hitch, fenders, exc. cond. 814-793-4293

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135.

Farm tires and tubes, fronts, rears and implements, low, low prices, Eddie's Tire Outlet, Willow Street, PA 717-464-5008 or Chambersburg, PH: 717-263-0013. Wilmington, DE 302-655-8500.

Used Farm Tractor Parts by the thousands. Wenger's. 717-866-2135.

Crawler Tractor Parts.
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
Call or write for equipment & parts brochure.
VILSMEIER EQUIPMENT INC.
Route 309
Montgomeryville, PA., 18936
Phone: 215-699-3533

Combine, 3300 JD, 422 hrs., looks like new. 814-926-3669

JD 4010 w/new engine, 38" rubber, front, excellent 814-793-4293

1976 7060 AC tractor w/cab, duals 20.8x38 excellent condition Call 215-932-2753

7G crawler loader, very good condition, asking $10,900. Will consider trade in. 717-367-9773

8 row White planter, excellent condition, 1 year old. For information call 215-932-2753

For Sale - 2 used Acorn cable barn cleaners, 170 & 180 ft. of cable, (2) 1½ h.p. reversing motors. Good for parts. Call after 7 P.M. 717-434-2697

2-1979 Ford F150, 4WD pick-ups, w/0-8 and auto. transmission, $4000 each.
Cat D315-D4 pwr. unit w/radiator clutch & PTO, runs oogd, $1250.
" water pump, TACO model BB6012, 120 GPM, w/100' head, used for dewatering or irrigation, $1500.
Detroit diesel, 3-53 series, power unit w/radiator and PTO, $3000.
VILSMEIER EQUIPMENT INC.
Construction Equipment
Sales & Parts
Route 309
Montgomeryville, PA
18936
Phone: 215-699-3533

1 Wic bale chopper, 3 horse electric motor, $1000, 215-869-8745

NH forage harvester heads, 770-R2, 770 W, also available Super 717. Will sell separately. 215-869-8745

For Sale - JD 350, JD 450, Int. 1466, 1086, 4366, 584, 986, JD 4430, JD 4620. We are brokers. 717-733-0058

Ford Lovers! 2 8N's, side distributors, 1 regular style, 1 9N parts, front blade, 3 pt. blade, double ring chains, package $4500. 607-642-8688 or 8519

2100 gallon Better Bilt liquid manure tank mounted on 1968 Ford truck, complete unit ready to go. $5900. Henry K. Fisher, 717-393-6530. 8:00-4:30.

Farmall 560 Gas Tractor with 4-14 Semi-Mount plows, good condition. 717-398-1459

Brillion 60' tapered board bunk feeder $600. Good condition. Call 717-538-1553 Nort'd County

JD 2510 gas, dual hydraulics, 3 pt. power steering, 3000 hours, 814-793-4293

Custom built mixers for haylage ensilage and grains or mix your own dairy feed to increase profits. Accurately weighs and mixes in minutes. For more information and prices call 215-267-2453 Rissler MFG, RD 3, Denver, PA

JD 2030 diesel w/loader, 814-793-4293

For Sale - 10' Grandy seed and fertilizer drill, like new 717-687-0102

Farmall Super C F.H.; F.H. Hay Rake; F.H. Disc Harrow; F.H. Corn Planter and Manure Loader, 717-687-0102

Case Uni-loaders 1537, LP gas, new paint, new bucket, rebuilt engine. 1740 diesel, new paint and pulley. T & T Supply, Danville, PA 717-275-0927

For Sale - 3 pt. hitch JD 7' York rake, $550. 717-687-0102

Attention Farmers! Are you having trouble finding those used parts you need? We have a list of over 100 farm machinery, equipment, truck and misc. used parts yards. Only $4 and large stamped envelope. Austins Salvage, Route 4, Butler, MO 64730

For Sale - Head valve cover intake exhaust manifold for 770 Oliver diesel, Gehl hammer mill for 65X grinder-mixer. 717-365-3234

Case 1030 CK, $4400; Case 770D, ps, $6250; Neufield 4-65, $1600; MF 50 w/loader, $2800; MF 5X on land plow, $850. 607-642-8688 or 8519

Rebuilt flail tank spreaders, like new, 368 NH, 2155 Hawk Bilt, small starline. 717-776-6203

For Sale - 5000 Ford Selecto-Speed Diesel, $3900, Call 215-445-5725

IHC 966 tractor, has duals, $11,000 or best offer. Must sell. 201-236-6987

For Sale
MF 2805
Duals, 700 hrs., 24 speed, many extras, excellent
717-859-2712

NH TR 75
Pay New Holland what we owe and it's yours!

New White 2-85 Tractor

MF 65 Tractor

NH 362 Tank Spreader

Post Drivers & Diggers

Used NH 352 Grinder Mixer

Used Balzer 400 Spreader

Skid Loaders

SHEETS BROS.
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

NH 455 and 456 mowers trailer
NI 752 Hay Crimpers
Oliver 12" & 14" trailer plows
MC 2 way plows
JD KBA 20 & 24 Discs
Olson roto-beater
JD spring harrows
NH rakes 56 & 258 nice
JD 999 Corn Planters Plateless
Vicon spreader seeders
JD 494A 4 row corn planters
NI tobacco planter 1 row
Cultipackers
Wood Stoves
10"x10"x36" Logs
Sam K. Zook
Kirkwood, Pa.
Lancaster County

For Sale - 2 row rear mounted AC cultivator, $600. CHC Farms, Union Co. 717-524-9633

DEUTZ

USED TRACTORS & EQUIPT. IN STOCK
Used Deutz D10006, 105 h.p., $12,400
Used Deutz D4006, 3560 hrs., good condition, new rubber., $5,400
Used D5506, 57 h.p $6,800
Farmall H, 34 h p $995
Used homemade hay tedder $400.
Corn Sheller JD #43 belt drive $400

NEW TRACTORS & EQUIPT. IN STOCK
D4507 Deutz tractor, 45 h p
D6207 Deutz tractor, 62 h p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 130 Deutz tractor w/cab & air, 121 h p
Custom-built diesel Gen-Sets made to order
New & Used Deutz diesel engines at special prices Call for details
New Deutz F2L-912 diesel engines 20-32 H P electric start

Stauffer Diesel Inc.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

USED FARMHAND GRINDER-BLOWER
ALSO
FARMHAND TUB GRINDER

Tractors
AC 440, 4 Whl. Drive, Demo., like new
AC 190
AC 180 IH 504
AC D19 IH 300
AC 7030 IH 450
AC 7040 IH 340
AC 7050 IH H
AC 7000
JD 2010 JD B
JD 4010 JD A
JD 70
Ford 4000 G
Ford 4000 D
Ferguson 65G
Ferguson 65D
Case 300 w/Loader
Case 800
Used Kubota 245 w/Loader, FWD
Used Kubota 245 FWD
Kubota 5100
Kubota 6100
Kubota 7100
New Gleaner L Combine
Used Miller Discs 8½', 10'
New Rotary Scythe
Used Rotary Scythe w/engine

GRUMELLI FARM SERVICE
Quarryville
Phone
717-786-7318

Meyers forage box, 6x16 with roof, two way unloading, three beater, excellent condition. $1,975.00. Weaver's Hardware Co. Fleetwood, Pa. 215-944-7486

Used sawmills for sale. We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA 19518. 215-385-3884

HORSE EQUIPMENT
Oliver 2B 12" Raydex
NI 206 Manure Spreader
JD KBA 20 & 24 Disc
JD 9' Spring Harrow
NH 455 7' Trailer Mower
IHC 100 7' Trailer Mower
MC 7' Rotary Scythe
NI 10' Fert. Drill
ELEVATORS
Stoltzfus 24'
NH 30' Corn and Hay
TOM WHEARY
Lancaster, Pa.
717-687-0102

JD 3020 Diesel, power shift, wide front end. new front tires. 717-597-7476

For Sale - John Deere Model 30 2 row potato digger, Oliver PTO 1 Row. 717-687-0102.

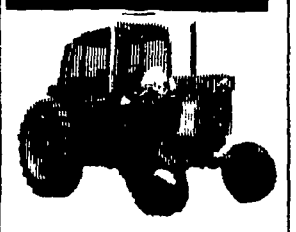
Ford Tractors Equipment | AVCO | NEW IDEA | HESSTON | WR

SPECIAL
New NI 323 Picker

USED EQUIPMENT
Oliver 1850
Oliver 5 Btm auto reset plow
Ford 140 4B Mtd. Plow
Bush Hog 12' Disc Harrow
NH Bale Elevator
(2) White 5400 4R Planters
Noble 25' Field Cultivator
NI 402 Rake
Ford 2R 309 Planter
Ford 501 Rr Mower
White 8700 Combine Dsl Hydro, air
White 8600 Combine, dsl hydro, air
NH 320 Baler
1068 Haybuster no-till drill (demo)
Fox 728 2R Corn Head

We are Your Certified Better-Bilt Dealer

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown, PA
717-648-2088



NEW TRACTORS
3088
3288
584 R/C
384
254 w/loader
284 Diesel, 4 wheel drive

NEW EQUIPMENT
Morridge grain dryers in stock
720 automatic 5x18 btm. plow
510 5x18
420 3x16
350 10 ft. 3"

USED TRACTORS
Oliver 550
IH 240
Farmall C

USED EQUIPMENT
510 plow 5 bottom, 16", $1500

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

Lilliston model 2000 rolling cultivator, 3 pt. hitch, 186" tool bar, units complete w/front and rear gangs, coulters, etc., $1,150. 412-837-8310 days or 412-423-2791 evenings

530 JD 3 pt. and fenders, excellent condition. 814-793-4293

Snap Bean Harvester on Int. 666 hydro drive tractor complete with dump box $11,000. 609-769-3183

FARMALL TRACTORS
Cub Lo-Boy w/mower
Cub w/mower and S. Plow
Cub Disc Harrow
Super C w/f.h.
T.J. WHEARY & SONS
Lancaster, Pa.
717-687-0102

For Sale
Wisconsin And F-Cub Engine Parts
Cranks, heads, blocks, all reconditioned
T.J. Wheary & Sons
Lancaster, Pa.
717-687-0102

4 cyl. Perkins diesel power unit, 15 KW Katolight generator, 40 amp Lincoln straight and reverse polarity DC welder, can be used on PTO or line shaft. Used 2 years. 717-423-6794

JOHN DEERE

All These New "40 SERIES" TRACTORS AT OUR LOWEST PRICES PLUS... $900 to $2300 REBATES From The Company!
2040 4WD
2440 Fully Equipped
2640
4240

USED TRACTORS
JD 4640, Cab, Air, AM-FM, Duals
JD 2640, RG and Canopy, Hi-Lo
AC D15 w/Cult. & Plow
Ferg. TO-30
JD 50
JD "A"
Ford 9N
Oliver 70

NEW COMBINES AT LOW OFF SEASON PRICES
6620 Reg.
6620 Side Hill
15' Flex Head
6 Row 30" Cornheads

USED COMBINE
1980 JD 6620 w/13' Grainhead, 560 Hrs., Beautiful Cond. - $46,500

GRINDER MIXERS
New NH 353 Grinder Mixer, Complete. By at Low, Low Price!

NEW EQUIP.
3 Pt. Blades
Hayban Corn Sheller, 3 pt. PTO - $1,850

UNITED FARM TOOLS
Used Fertilizer Box
Hyd. Augers - Engine Driven

USED TAYLOR HI-EFF. DYNAMOMETER
For Tractors 130 And 200 H.P.
SPECIAL
$495

SPERRY NEW HOLLAND
KERMIT K. KISTLER, INC.
Rt. 143,
Lynnport, PA 18066
PH: 215-298-2011

JD 4620, power shift, good condition. Lancaster Co., Pa. 717-284-2761

For Sale - (New) NH 310 baler super sweep pick-up w/engine. $5,800 Jacob M. Fisher East Gordan Road Gordanville, PA 17529.

IH 966 diesel 3 pt. wide front, excellent condition. 814-793-4293

TRACTORS
- Case VAC
- Case 870 Tractor
- Case 930 Tractor "CK"
- Case 430
- David Brown 990 w. Loader
- Oliver 500
- Oliver 880
- Oliver 1750
- White 2-105 Tractor
- Int. 656 Tractor

LOADERS
- Case 1816 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No. 2 Loader
- IH 3200 Skid Loader

TILLAGE
- Case 6-Bot. Plow, 20"
- Case Disc Harrow, 10'
- Case Disc Harrow, 12'
- JD 12' Disc Harrow
- Oliver 2 Bot. Trailer Plows
- Brady Field Cultivator
- Oliver 4 Bot. Mtd. Plow
- Used Cultipacker

HARVESTING EQUIPMENT
- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 315 Gathering Unit
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 727 Husking Bed
- NI 767 Super Chopper
- NI 737 Cornhead
- NI 323 1-Row Corn-picker
- NI 2-Row Cornpicker
- Int. Mtd. Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No. 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester
- Kools Forage Blower
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- NH 488 Windrower
- NH 469 Windrower
- Hesston PT 10
- Hesston 1090 Win drower
- Dump Rake
- 3 pt Hookup Mower
- Bale Thrower Wagon
- Case Hay Rake
- JD Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- JD 14T Baler w/thrower

MISCELLANEOUS
- Ford 4-Row Corn Planter
- JD 2-Row Planter, Pull Type
- IH 400 Corn Planter, 8 Row
- 10 Used Spreaders
- NI 218 8½-ton Spreader
- Potato Grader

SPECIAL
• 8 USED WINDROWERS!
• NI 456 Round Baler
Was $8,500
Special $7,800!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

JD 6600 combine, 215 flex head, 643 corn head; JD 4240; both very low hours. 717-632-0141

Wisconsin 4 cylinder engine with Rockford clutch and tumble bar, $250 cash. Call 717-588-6350 eves.

WR
FIELD QUEEN
FORAGE HARVESTERS

SEE THE NEW HESSTON TRACTOR LINE
40 to 160 HP

NEW TILLAGE
Glencoe SS 9 Soil Saver $5900
Amco 19' Flex Disc
White 271 23' Disc
13' 245 Bush Hog Offset
26" Disc $7900
14' 1439 Bush Hog Disc
508 SAR 4X18 Plow

NEW EQUIPMENT
NI 802 Uni w/Harvester
NI 717 Combine

USED TRACTORS
White 2-180 4WD Cab, Air, Duals, 800 hrs.
White 2-135, 450 hrs.
JD 2510 Gas
IH 350
Oliver 1600
Ford 8N
Ford 881
8C HydraMac Skid Loader
12C HydraMac Skid Loader

(3) Used Hesston 4800 Big Square Balers (1 like new)

USED HARVESTERS
MF 510 Dsl. Combine w/13' Soybean Head
Fox Super D2R Head & Pickup
Fox 3310
Fox 3000
Fox 299 80" Flail Head
Field Queen Side Dump w/Det. engine, 3R Head & Pickup
JD 3800
Gehl 600
NH 890, Like New

USED EQUIPMENT
NI 710 Combine
NI 725 3R Head
Brady 12' Shredder
IH 27 10' Disc
Arps 70" hvy. duty hyd. Angle Blade
Lely Double Wheel Rake 18 ft.
JD 1240 Planter
IH 400 4R Planter
NH 26 Blower
Farmhand Recutter Blower
NH 469 Haybine
Hesston 1014, 12 Ft. Hydro Swing Win-drower
Bush Hog 24 Soil Finisher like new
Glencoe 13 Shank Soil Saver
NH 442 Disc Mower
Woods 20' Bat Wing
NI Side Dump Wagon
Dion Fg. Wagon 3 btr. & roof
IH 51 wagon, 3 btr & roof
NI 270 Cut Ditcher

SPECIAL SALE
PRESSURE WASHERS

OPEN H[illegible]E
Feb. 21 to 2[illegible]

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407

FARM EQUIPMENT

Clark 6,000 lb., dual wheel pneumatic fork lift $4250.
DENNIS M. MILLER
Rt. 22 Grantville, Pa.
717-838-1888 anytime
717-469-0937 daily

Farmall M Tractor, saw buck for same, 3 pt. 2 row corn planter, 12' JD lime drill. 215-262-9781

FARM EQUIPMENT

For Sale - AC. HD-4 crawler loader, good to very good condition, $6,000. 215-967-3252 after 6 p.m.

JD 730 w/W.f. end, 3 pt. hook up, hill side hitch, with NI front end loader, 16-38 tires. 215-262-9781

FARM EQUIPMENT

Ontario 12x8 hoe drill $450, IH 100 balanced head mower $450, 8x16 flat wagon w/5 ton NH gear $400, Case 10' spring tooth harrow w/extra parts $200, Papec hammer mill $50. 215-847-2619, Bucks Co.

1980 MF 285, 84 HP, 230 hours, like new. 717-547-6141.

Jamesway belt feeder, 60' long, 412-238-4061

Dekota Feeder Wagon $1000
Lehman Skid Loader $3000
Arps Snow Blower $500
(New) 791 NH Spreader w/endgate $8000
Melroe Stone Picker $1000
WENTZ FARM SUPPLY
Palm, Pa. 215-679-7164

JD 4230 tractor w/cab and air, exc. cond., loader available. 301-795-9631

For Sale - Farmall 300 w/TA, belt pully gear, weights and recent paint job, available w/or without 2 pt. hitch. 717-464-2874

FARM EQUIPMENT

For Sale - 494A John Deere corn planter, good condition. Samuel K. Stoltzfus, Box 125 Spraul Road, Kirkwood, Pa. 17536

For Sale - ALMOST NEW 13 shank 3 pt. tool bar cult. $400. and Woods 59 Belly mount mower deck, no brackets $150. Good IH 311 FH trip plow $275. Good IH Super M Live Hyd. $1350. 301-452-8646

For Sale - NH 271 baler w/thrower, NH #56 rake, 2-16 ft. bale thrower wagons, Gehl forage blower, Int. 7-tooth chisel, Fox forage harvester, 2r-corn hay and direct cut heads, 165 bu. gravity bin w/gear, 9 ft. Hesston haybine, JD flail chopper, 5 ft., NH #362 tank spreader, Case Skatback, 430 loader, MM Jet Star tractor, MM Jet tractor, MM G900 tractor, JD 4-14" plow, MF running gear. Best offer. 717-867-4808 Lebanon Co.

For Sale - NH L35 skid loader, in good cond. 215-383-6818

FARM EQUIPMENT

FOR SALE
MF 165
MF 150
MF 2805 w/duals
MF 265
MF 43 corn head
JD 4020
MF 550 combine w/1143 corn head
MF 321 corn head

L & M BURKHOLDER
Ephrata, PA.
717-859-2960
717-859-2712

MF Massey Ferguson

USED EQUIPMENT
MF 510 Diesel Combine w/MF 44 Cornhead
MF 750 Diesel Combine w/Cornhead & Grainhead
Farmall Super C
MF 1105 Tractor
MF 33 Drill, Like New
NI 323 Picker
NI 214 Spreader
King Wyse Elevator
NH Elevator

NEW EQUIPMENT
MF 205 Tractor
MF 245 Tractor
MF 275 Tractor
MF 285 Tractor
MF 294 Tractor
MF 1010 Tractor
MF 30B Tractor Loader
MF 2675 Tractor
MF 33 Grain Drills
MF 345 Plow
MF 620 Disk
NI 177 Elevator
NI Manure Spreaders
MF 226 Blade

N.H. FLICKER & SONS, INC.
Box 68
Maxatawny, PA 19538
215-683-7252

NEW EQUIPMENT
WHITE -
2-110 tractor w/cab
2-85 tractor
2-55 tractor
508 5 Bot. SAR Plow
598 6 Bot. SAR Plow

GEHL
CB 1000 For. Harv. w/2-Row Corn Attach. & Hay Attach.
3510 Skid Steer Loader
1400 Round Baler (Demo.)

NEW IDEA-
No. 177 41' Elevator
No. 213 Spreader
No. 243 Spreader
No. 244 Spreader
No. 245 Spreader
279 CutDitioner
325 Cornpicker w/327 Husking Unit

USED EQUIPMENT
New Idea 218 Spreader
New Idea 622 Forage Blower
IH 88 Gehl Blower
Oliver 252 Disk Harrow 11'6
Gehl 95 Grinder Mixer
Gehl 115 Grinder Mixer
Int. Model 51 For. Box, 14 ft.
Gehl 910 For. Box

Closing At Noon Dec. 24th

Seasons Greetings
FROM
MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
215-845-2911

FARM EQUIPMENT

TRACTOR LOADER FOR SALE
Model 4000 Ford Tractor w/Heavy Duty Model 720 Ford Loader. Excell. Cond.
$4250
717-677-8168

Complete TRACTOR & ENGINE REBUILDING
Dynamometer Testing
FOR SALE
A C. and Wisc. 2 and 4 cyl. power units with or without clutch reduction.
SPRING GARDEN REPAIR SHOP
RD#1 Box 204
Kinzer, Pa. 17535
Joe S. Stoltzfus

SAME
AVCO NEW IDEA

FOR SALE
IH 574, 2800 hrs., w/Sauder loader, new rear tires, $6,300 nice cond.
Case tractor, 870, 12 spd., ps trans., good cond., $8600
Stauffer 16' 2 btr. forage box with 8 ton gear, good cond. $990
Dion 60" forage blower, good cond. $1385
Artsway 154-54" forage blower, NEW $1600
N.I. forage blower, model 620, 54"fan, good cond. $875.
NH model 469 mowditioner, $2,560 good cond.
Wic bedding chopper, model 7910, 5 h.p., $1100 (Demo)
NI #323 1 row picker, like new, 90 acres, $4,300
IH #580 manure spreader, hyd. endgate, Gratz chains, good cond. ($3,600, $3,000)

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

FARM EQUIPMENT

USED EQUIPMENT
AC D15 Tractor
NI 708 power unit and 702 power unit
737 husking bed
717 combine
713 combine
744 corn head
731 corn head
NH forage harvesters:
(2) 770 w/heads
(1) 717 and (1) 718
NH Super 68 baler

Special Sale
Low Acreage Machine
AC Model L Gleaner combine w/4 row corn head and 15' grain platform

Oliver semi-mounted 4 bottom plow

Used corn pickers:
NI 324 2 row corn picker
NI 324 picker sheller, 2 row

NEW EQUIPMENT
802 Uni power unit
767 Uni chopper
766 pickup head
768 corn head
1 7020 Hesston forage harvester
1 7140 Hesston forage harvester
2 7316 Hesston forage boxes
1 Hesston round balers
2 323 NI corn pickers
NI 213, 214, 244 and 245 manure speaders

AC Tractors:
6060 4 wheel drive
6140 4 wheel drive
8010
(1) 5050
(1) 2600 disc

AIRVILLE EQUIPMENT, INC.
P.O. BOX 37
Airville, PA
717-862-3967

BALDWIN ELECTRIC MOTOR DIVISION, INC.
REPAIR & REWIND - ALL BRANDS
AC & DC MOTORS
Call 717-354-5566
Call 717-354-4651
BALDOR ELECTRIC MOTORS
Warehouse and Factory Service
½ hp. thru 10 hp. 1 ph.
½ hp. thru 100 hp 3 ph.
FARM DUTY MOTORS IN STOCK
P.O. Box 232, Honey Brook, PA 19344

END OF YEAR SALE

Prices reduced drastically for quick sale. Take advantage of the year end sale. Prices F.O.B.

TRACTORS

	List	SALE
JD 4000 tractor	$12,500	$9,600
JD 4010	8,900	8,400
JD 2520	8,900	7,800
JD 2510	7,000	6,200
JD 730	4,200	3,200
JD 70	2,800	2,200
MF 65 diesel	3,500	2,800
550 Oliver diesel	3,500	2,600

HAYING EQUIPMENT

	List	SALE
JD 24T baler w #2 ejector	$ 1,600	$1,295
JD 1209 mower conditioner	3,200	2,500
JD 640 rake	1,175	975
JD #10 mower parts		50

COMBINES

	List	SALE
JD 6620 sidehill w/643 head	$74,400	$66,000

CORN PLANTERS

	List	SALE
JD 494A	1,495	850
JD 1240	3,000	2,000
JD 7000 planter, 4RW	6,500	4,200
JD 7000 4RW w/new min. till coulter and pop.monitor	6,900	4,800
IHC 56 4 row	2,600	1,600

DISCS AND PLOWS

	List	SALE
JD 12' KBA disc	$1,200	$650
Pittsburg 12'	1,600	1,000
JD 950 roller harrow,	3,800	3,400
JD 145 plow 5-16"	2,100	1,800
7 tooth Taylor Way chisel plow	975	850

OTHER EQUIPMENT

	List	SALE
Moridge dryer, model 275	$3,500	$2,000
IHC harvester, #16	1,495	800
JD 38" row crop head	675	450
JD 37 loader	995	750
NI 504 loader	450	250
JD 850 spreader 250 bu. w/airplane tires	3,500	2,250
NI spin spreader	695	500
Deerborn cultivator	295	250
Ontario drill 16x7	3,200	2,500
6000 Kools blower, 1900 RPM	1,275	850
Dual wheels 20 8x38, snap on	650	625

END OF YEAR SPECIAL ON NEW EQUIPMENT

	List	SALE
JD 88 blade, 7'	$ 850	$ 650
JD 40 spreader	4,900	3,500
JD 445 flail spreader	5,185	4,100
JD 90 skid steer	10,800	7,600

Waiver of finance and payment on nearly all equipment

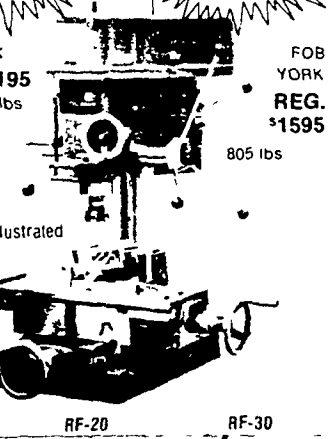
DISCOUNT UP TO 50% OFF ON THESE ITEMS

	List	SALE
JD wide front axle	1,350	1,000
Grapple fork for loader	800	400
Grapple fork for skid steer	400	200
Automatic markers for 7000 corn planter	700	350
Extra wheel w/frame extension for 567 wheel rake	400	200
Quick-fill. fertilizer attachment for 7000 planter. 6 RW	928	450
Enclosure for utility tractor	400	200
60" manure fork w tine, fits 145 thru 158 loader	550	400
60" bucket	500	275
Top beater for 54 spreader	450	195
Top beater for 660 spreader	600	295
Canopy for old style utility tractor	175	85
Complete drawbar for 12' harrow	150	50
3 pt. hitch for 12' harrow	300	150
Cushion for 115 disc	685	490
New crop fenders		Reduced price

JOHN DEERE

AUKER-ENA EQUIPMENT, INC.
Oakland Mills, PA 17067
717-463-3511 436-2235

MILLING & DRILLING MACHINES
with motor, reversing switch, R-8 spindle, drill chuck, drill vise, end mill, work light, draw bar
SALE
MODEL RF-20 $895
MODEL RF 30 $1295



FOB YORK
REG. $1195
440 lbs
RF 30 illustrated
FOB YORK
REG. $1595
805 lbs

SPECS	RF-20	RF-30
SWING	13 7	16 5
STROKE	4 0	5 0
TABLE	6 2 x 20 5	8 26 x 28 74
TRAVEL	6 x 12	6 x 18
RPM S	80 to 1700	135 to 2440
MOTOR	1 HP 1 PH	2 HP 1 PH

SEND $1.00 FOR MACHINERY CATALOG

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WMC 1519 Mt. Rose • York, PA 17403-2996 • (717) 846-2800 WMC

FARM EQUIPMENT

MF

STERRY NEW HOLLAND

USED EQUIPMENT

Tractors
AC WD
MF 285

Tillage
JD 4B Plow
Case 5B Auto Reset Plow
MF 66 3B Plow
Pittsburgh 8' Disc
3 Section Drag Harrow
16' Drag Harrow

Hay Equipment
AC Forage Harvester
IHC Forage Harvester
(2) NH 717 Harvesters
NH #36 Crop Chopper
MF #35 Rake
Badger 14' Fg. Box

Combines
MF 205
NH 962 4 RW C.H.

Miscellaneous
NI 214 manure spreader
NH Super 717 Harvester w/2 heads
Gehl 2600 Skid Loader
NH L35 Skid Loader
IH 13 Disc Drill
Ontario Disc Drill
NH 513 Manure Spreader

MARLIN SCHREFFLER
Pitman, PA
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FARM EQUIPMENT

NH 363 TANK SPREADER
2 YEARS OLD
$2,250
NH #353 GRINDER-MIXER
USED 8 MOS.
$3,895
JD 14' MEDIUM DUTY DISC
$1,650

SHOVER'S
Loysville, Pa.
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WE ARE CLOSING
DEC. 20, 1982
AND ALL EQUIPMENT
IS PRICED
WHOLESALE

1971 Case 1740 Uni Loader. $3900
1967 Case 1537 Uni Loader (LP) $2300
1973 Case 350 Loader $4900
1977 Case 450 ..... $14,000
1961 JD 3010G w/ 4x16 Semi Plow..... $4500
1977 Long 560 (53 H.P. Dsl.)..... $4000

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BEARTOWN HYDRAULICS
New and Used Equipment
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Rt. 322 Midway
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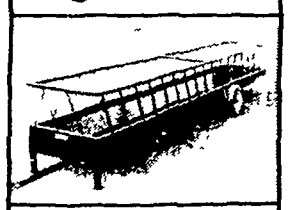
Phone 717-354-5649

YEAR END SPECIALS



Gehl 120 grinder mixer, excellent
New 3 pt. blades, 6 and 7', special discount
JD 7' pusher blade
New 6' bucket to fit Swartz or Oliver manure loader
White 316 plow, sharp
McCurdy and Farmer Boy gravity bins in stock
12' Supreme silage conveyor, used 6 months
Round bale feeders w/floors
7' Woods rotary cutter
11' Chattanooga cultipacker
13' Brillion field cultivator
Pequea woodsaw in stock
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Hardy rotary mower
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DJ Implements
Located in Reistville midway between Myerstown and Schaefferstown along Rt. 501
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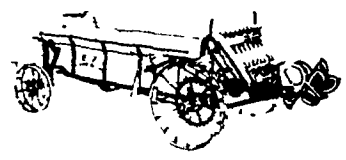

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Wood Treated box
Roller Chains or Small Chains
Same Size As No. 10A
Sealed Bearings
Auto Steering Front Axle

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Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
JD 4020
IH 1256
JD 2510 Gas
MF 65 Gas
David Brown 990 Diesel
JD 1010 Crawler w/Blade
IH 340 New Tires & Paint
JD 1020 Diesel
Oliver 1550 Diesel
Ford 8N
Oliver 70
JD 70 Skid Loader

FORAGE EQUIPMENT
NH 717 w/2 Row Head
NH 880 Harvester NO Head
Gehl Forage Wagon
Badger Tandem Forage Wagon

TILLAGE EQUIPMENT
JD 2450 7 Btm. Plow
JD F-145 5 Btm. Plow
JD 845 3 Btm. 2 Way Plow
JD 10 KBA Disk
10' Culta Packer
12' Culta Packer
Ontario Grain Drill

MISC EQUIPMENT
JD 146 Loader Like New
JD Grapple Fork for 146 Loader
Woods 10' Rotary
Woods R M 48 Rotary 3 pt
JD #54 Rotary Like New
Sauder Loader Like New

NEW EQUIPMENT SPECIAL
Hesston 2000 100 Harvester w/2 Row Head, w/Hydraulic Sharpener
$7500

OTHER NEW EQUIPMENT

1710 11' Mulch Tiller	$5500.00
Landoll 7 Shank Tiller	$5150.00
Allied 8x51 Grain Auger	$1975.00

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Berks County's Full Line John Deere Dealer-
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120 16' forage box, roof, 10 ton running gear, new tires $4,750
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56 blower $2,350
730 adjustable width plow, toggle trip $4,995
475 disc harrow 11'6", new tires $3,995
4500 16'5" vibra shank field cultivator $2,350
5500 chisel plow, hi-clear. 7 shank $1,950
#80 snow thrower, dual augers . $1,650
1190 mower conditioner, 9' $6,250
720 5-18 auto. reset plow..... $7,125
800 4 row air planter w/fertilizer & chemical attachment $6,450

One Only New IH Tractor Specials

We've Got Your Best Deal

3088 18.4x38 rear tires, 80 HP..... $19,100
3288 Cab, 18.4x38 rear tires, 90 HP $27,775
584 D row crop $13,150
884 D row crop. Just arriving, call for price

SPECIAL
Hyster 7500 lb. forklift dual solid drive wheels, 10' lift, PS
$8,000

USED TRACTORS

Waiver of Finance Available

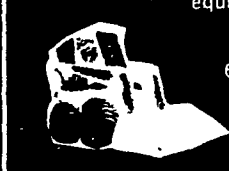
- JD 2520 diesel equipped w/Hinson cab 16.9x38 tires... $8,250
- IH Farmall 766 diesel, wide front, 3 pt. hitch $13,750
- IH Farmall 806 diesel, cab, dual rear tires, wide front, 3 pt. hitch..... $8,750
- IH 464, 3 pt. hitch, udal aux. valves, PS, used only 480 hours $6,500
- Farmall 1086 cab, air, 450 hours, 20.8x38 tires..... $23,750
- Farmall 560 diesel..... $3,950
- 1066 w/cab
- 1256

USED EQUIPMENT

Waiver of Finance Available on Most Used Equipment

- IH 830 forage harvester w/2 row corn head $6,500
- NH 880 harvester w/2 row corn head..... $3,750
- IH #16 harvester w/1 row corn head, clean $1,000
- JD #24T baler w/thrower $1,200
- IH 37 baler w/thrower $800
- IH 110 side mounted sickle bar mower..... $675
- Athens 11'6" disk harrow, disked 10 acres $2,150
- Walsh 500 gal. sprayer $1,500
- NH 40' elevator w/gas engine . $1,275
- IH #93 combine w/10' platform..... $3,000
- IH #71 flail mower $500
- IH #1300 sickle bar mower... $1,375
- Athens Rhino model 131, 13' heavy duty disc harrow w/16 bearing standards, 22" discs 4" cylinder, Midwest Buster Bar.... $5,950
- McKee snowblower $500
- Gehl harvester w/2 heads $500

1 owner IH 4140 skid steer loader 4 cyl water cooled 40 HP engine, used 937 hours, equipped w/60" material bucket and 60" manure fork, all gear drive



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FOR SALE

8 KW PTO generator on wheels, $950
'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel PS, $9500.

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Ford Jubilee w/Sauder loader
JD 40 Tractor w/3 pt. Hitch & 2 R Cultiv.
AC 7045 Tractor
AC 5040 Tractor
AC 185 Tractor
AC 180D Tractor
AC 170 Gas Tractor
AC D17 Series
NI 213 Manure Spreader

ROY H. BUCH INC.
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FARM EQUIPMENT

JOHN DEERE

USED EQUIPMENT IN STOCK

JD 4630 Cab, Air, QR
JD 216 Flex Platform
JD 220 Flex Platform
NH 278 Baler
Sunmaster 7½' Mower
Ford 10' Heavy Duty Rear Blade
JD 950 Roller Harrow 12'
JD 400 Rotary Hoe 20'
JD RM 630 Cultivator
16.9x28 Duals
GE Electrak Lawn Mower
JD 214 Lawn Mower

Cooper Ent., Inc.
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Evenings Call Gary
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FARM EQUIPMENT

USED EQUIPMENT

TRACTORS:
IH 574 D Row crop - $8,500
IH 574 Gas, Utility
IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice - $18,500
JD 4520, 20.8x38 Radials, No Cab - $12,500
606 Diesel Utility, 3 pt. - $4,900
IH 560 Gas, 400 Gas
IH 350 Farmall, PS
IH 460D, Utility - $1,800 as is
IH 544 Gas w/2000 Loader - $6,500
(2) Farmall M
MF TO-30 w/Turf Tires
MF TO-30 w/Ag Tires
Leyland 154 Gas w/Turf Tires

TILLAGE:
JD TO 310, 32 Disk, Real Nice
JD 111 10 ft. Disk Harrow, Like New
IH 470 Disc Harrow, 15' Folding, 7½" Spacing
IH 760 14' Offset Disc
Bush Hog 18' Folding Disc
Pittsburg 12' Disc
IH 370, 350, 37, 35 In Various Sizes
Cub 2-Way Plow
Oliver 4-Bot. Semi-Mtd. Plow
IH 531 3 pt. 3 Bot. Plow
IH 550 5-Bot. 16" Semi Mtd. Plow
MF 3 pt. Mtd., 3 Bot. Auto Reset Plow
Dunham 8 Shank 3 pt. Chisel
IH 13' Trailing Chisel
Glencoe 12' 9 Soil Finisher — $4,500

PLANTERS:
(2) IH 56 4-Row Planters
4 & 6 Row Cyclos, Field Ready!
IH 4-Row Front Mtd. Cultivator-Late Model
JD FBB 17x7 Comb. Single Disc, Good Shape!
JD 3 pt. 4-Row Wide Cultivator
JD FBB 17x7 DD
IH No. 10 13x7 Plain Drill
IH No. 10 16x7 Single Disc, Comb., Hyd. Lift
IH No. 10 16x7 Single Disc, Comb.
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill
Ontario 16x7DD Plain, Late Model
IH 510 18x7 DD, Plain Drill

MATERIALS HANDLING:
IH 1850 Loader
Century 300 Gal. Sprayer
Hansen 300 Gal. Sprayer, 42 Ft. Booms
157 Hawk Bilt Spreader - $995
Int. 550 Spreader w/End Gate
Int. 540 w/End Gate - Was $1995 Now $1395

COMBINES:
915 Combine, Low Hours, Like New
844 Cornhead, Like New
810 13' Cutter Bar
MF 410 Gas, w/34 Cornhead & 13' Platform
KKS Gleaner, 10' Platform, 2 Row Corn head, like new
FKS Gleaner Diesel 4 Row Wide, 12' Platform

Waiver of Finance Til 9/1/83

IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

HAY & FORAGE EQUIPMENT:
MC 60 2-Row Shredder, Like New
IH 990 Mower Conditioner, 9', Steel Rolls, Very Nice Cond.
LAMCO Forage Wagon
IH 110 Forage Wagon
#5 Flail Chopper, Real Nice!
#8 Flail Chopper, Like New
33 NH Flail Chopper
JD 115 Forage Wagon
Gehl FBB 88 Blower
Gehl FBB 99 Blower
Badger TA-54 Blower, Like New
38 JD Chopper
550 IH Chopper
1014 Hesston Mower Cond.
NH 479 Haybine
JD 894 Rake
IH 430 Baler w/Thrower

MISCELLANEOUS:
Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Diesel Engine Mounted on CO 1600 Int. Truck - $3900

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Daily 7 to 5
Sat. 7 to 3

FARM EQUIPMENT

JOHN DEERE

USED EQUIPMENT

JD 4030 Tractor Diesel
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
JD 485 mower conditioner
JD 3800 Chopper
JD 2450-6 Btm. on Land Hitch Plow
Oliver 5x16 Plow

NEW EQUIPMENT

JD 7100 8-row 20" bean planter
JD 215 Disk
JD 2450-7B-16" On Land Hitch Plow

OTHER LINES NEW EQUIPMENT

NH 315 Baler w/ejector
Superior-Campbell Sprayers
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TRACTORS

Ford 8000
Ford 7000
Ford 3400 w/Backhoe
Ford 1200 w/Loader
Ford 1100 repossessed 4WD w/loader
Ford 445 Backhoe Loader Repossessed
Ford 545 Backhoe Loader Repossessed
Ford 960 Tricycle
Ford 535 Tractor/Loader/Backhoe
(2) Ford 9N
Ford TW10
Case 800 dsl.
Case DS1
Case DC
Case 680 C Tractor/Loader
Ferguson 20
Massey Harris 44
JD 2510

EQUIPMENT

Crown Rock Picker, hydraulic drive
NH 479 Haybine
NH 469 Haybine
NH 78 Baler w/thrower
JD 1209 Mower Cond.
NI Wheel Rake
NH 516 sgl. btr. spreader
JD spreader
IH 155 spreader
IH 175 spreader
Lawn & Garden Tractors w/Mowers & Snow Blowers

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JD 4430 Tractor
JD 4030
JD 3010
JD L Tractor w/plow & cultivators
JD 1450 4x16 semi-mtd. plow
JD 1450 5x16 semi-mtd. plow
MM 32 blade transport disk harrow
IH 440 baler w/thrower, excell. $1895
JD 39 3 pt. sickle bar mower
NH 479 haybine
JD 38 harvester w/2 row N. head & hay pickup
MF 110 PTO manure spreader
JD 7000 6 RN Conservation Planter
AC 4 row no till planter
White 5400 6 row N. no-till planter
JD FBB 17x7 grain drill
JD FB 13x7 grain drill
IH 13x7 grain drill
Brillion 21 ft. cultipacker
JD 506 3 pt. 5' rotary cutter
JD 307 6' rotary cutter
JD 507 7' rotary cutter
JD 444 corn head
JD 6600 sidehill combine w/13 ft. grain head & 4 RW corn head $37,995
Midwest round bale unwinder 3 pt. hitch $595.00.
2 wheel trailer w/side boards
(5) JD high pressure hyd. cylinder

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* 1 Pair 14.9x26 - 14.9x28 . . . . S.P. $199.00

* Priced subject to change after stock on hand is sold

NEW FARM EQUIPMENT SPECIALS

	L.P.	S.P.
JD 4440 Tractor		Call For
JD 2440 Tractor		Special Sale
JD 1050 Tractor		Price
JD 90 Skid Steer loader	10,633.00	8495.00
JD 125G Skid Steer loader	16,634	14,300
7 ft. Hay Pickup	3377.00	2995.00
JD 8300 18x7 grain drill	5221.00	4695.00

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MUST SELL
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NEW I.H. MACHINERY

990 Mower Conditioner 9 ft.	$5100.00
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3288 Tractor	$25,250.00
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425 Baler	$4645.00
720 5 F-18" Plow	$7285.00

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JD 7000 Conservation Planter, 6R Narrow w/liquid Fertilizer and Monitor.. with bonus	$12,750
JD 327 Baler w/ejector	$7,500
JD 146 Loader	$2,500
JD 1550 Backhoe	$3,750
JD C392 Spin Spreader	$825
JD 397 Mower	$600
NH 847 Round Baler w/auto wrap	$7,950
NH 679 Manure Spreader w/end gate	$6,400
NH 38 Crop Chopper	$4,500
Mathews 9E Rotary Scythe	$4,250
Hub 155 Elevator 36'	$1,995

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SUPER SPECIALS
New Equipment

	Regular Price	SPECIAL PRICE
Woods 5' Dixie cutter, 3 pt.	$1,055	$845
Berbac snow blower, 60", 3 pt.	$1,240	$995
NH wagon gear, 6 ton w/tires	$1,025	$820
Woods RM 306 finish mower, 3 pt.	$1,615	$1,295
Ford reversible rear scoop	$370	$295
Gannon landscaping scraper	$2,195	$1,750
Ford 5' hydraulic angle dozer blade (fits Ford 1300)	$1,285	$1,030
Glencoe soil saver, 6'	$5,465	$4,375
Westfield grain auger, 41' (less motor)	$1,385	$1,100
Bolens walk-behind snowblowers	$1,020	$815

Used Equipment

Woods HR 105 heavy duty cutter, 5', 3 pt.	$1,765	$975
York rake w/casters, 8'	$1,500	$750
Farmi logging winch	$1,795	$1,175
Ford 101 plow, 2 bottom 12"	$750	$600
1976 Chevy station wagon	$1,695	$1,450

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'78 FORD LN-7000 Grain truck, Cat diesel, air brakes, new 18' Parkhurst body & Trojan Hoist
'78 IH 1750 Grain Truck, DT-466 diesel, New 16' Knapheide body & hoist
'73 IH C04070A long wheelbase chassis, Cummins 250, 10-speed
'78 FORD LN-600 chassis & cab, 2-speed rear, 5-speed trans.
'72 REO C10164 long wheel base tandem chassis, V-8 gas engine, 5 & 4 transmission
Fruehauf 6,200 gal. steel tank trailer, new brakes. Ideal for water or fertilizer

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JD 4020 Tractor P.S. W.F.
JD 4020 Tractor WF
JD 4020 Side Console
JD 4010 Tractor propane
JD 3020 Gas Tractor
JD 2640 Tractor w/145 Loader
JD 1020 Tractor
JD 850 Tractor
JD MT Tractor w/plow, Cultv. and Mower
JD 60 Tractor
JD 60 Tractor
JD A Tractor
Farmall M Tractor
Farmall H Tractor
Farmall 400 Tractor
IHC M Tractor
IHC Super M Tractor
Ford 9N
Case 530 Backhoe
JD 170 Skid Steer Loader
JD 1209 Mower Conditioner
JD 336 Baler w/ejector
JD 24T Baler w/ejector
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 4R Consv. Planter w/Dry Fert.
JD 1240 4R Plateless Corn Planter
JD 1440 No Till Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD 8250 14x7 Grain Drill
JD FB Grain Drill
JD 8350 18x7 Grain Drill
JD 4400 Combine w/Platform & C.H.
JD 4400 Combine w/444 Corn Head & 13' Platform
JD 7700 Combine
JD 7700 Combine w/643 Corn Head & Platform
JD 6600 Combine w/15' Platform
Gleaner A Combine
JD 244 Corn Head
JD 709 Rotary Mower
JD 110 Chuck Wagon
JD 115 Chuck Wagon
JD 125 Chuck Wagon
NI 279 Cut/ditioner
JD 2800 6B Plow
JD F145 4B 16" Plow
JD 145 6B Plow
JD 1450 5B Plow
IHC 5B Plow
IHC 6B Plow

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JOHN DEERE

NEW EQUIPMENT

JD 650 Tractor
JD 750 Tractor
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1207, 1209 Mower Conditioners
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT

AC C & WC Tractors
Farmall H, MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Ford 8N Tractor
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel

USED COMBINES

JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used equipment

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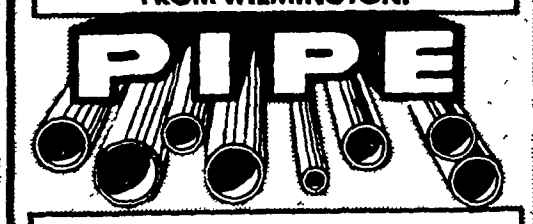

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- Vermeer 504H Baler
- Vermeer & Scranton Bale Movers
- Martin S SOLD preader
- (4) Vicon 4 Wheel 3 pt. Hitch Rakes
- (1) Vicon SOLD el Trailer Rake
- (3) Vicon 600 lb. Spreader
- (3) Vicon 950 lb. Spreader
- (2) Vicon 1900 lb. Fert. Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP1200 Round Baler
- (1) Vicon 8' Mower Conditioner
- Haybuster 1068 Semi-Mounted No-Till Drill

USED EQUIPMENT

- Int. 9' Haybine
- Vicon RP1200 Round Baler, Demo.
- Vicon 8' Mower Conditioner
- Vicon 10 ft. Power Harrow
- Brady Flail Shredder
- Martin 3300 gal. Liq. Spreader
- Hawk Bilt 257 Tank Spreader
- New Idea Manure Spreader
- Hesston 12' Hydro Swing Haybine

RED WING FARMS

R.D. #1, FLEETWOOD, PA. 19522
215-944-9583 215-944-0791

NEW TRACTORS

IH 584
IH 5088
IH 3288

USED EQUIPMENT

IH 4135 skid loader, 200 l SOLD
IH 886 tractor, low hours
IH 1586 tractor, low hours
IH 806 diesel tractor
Hydramac 8C skid steer $4,600
Farmall 300, $1,500
2 Farmall M $1,500
Farmall Super H, real nice $1,400
IH 574 diesel tractor $8,000
Farmall 460 gas, $3000
Oliver 1650 tractor $4,800
AC WD $1,000
AC gleaner combine model CII 14' grain & 4 row corn head $5,500
Oliver combine $700
IH 311 fast hitch plow $350
2 Oliver 3 furrow plows $400
IH 76 combine $500
IH 455 4 row corn planter $2500
IH 56 corn planter, 4 row $2000
IH 400 Cyclo planter, 4 row, no-till $4200
IH 234 corn picker $2200
IH 125 combine, $400
2- IH 990 mower conditioner, $1500
IH 234 sheller attachment $1325
NH 3 pt. hitch mower $800
Brillion 9' cultipacker $275
JD 12A combine $600
Hawk Bilt manure spreader $/ SOLD
NH forage harvester $1275
NH Super 717 forage harvester w/pickup head $2,800
IH 540 plow $1100
1 set of IH 531 plow $450
AC baler $400
IH 370 disc $1800

DOMBACH EQUIPMENT

McAlisterville, Pa. 717-463-2191

CHECK OUR DECEMBER PRICES AND TERMS FOR NEW & USED EQUIPMENT

NH L35 SKID LOADER W/66" BUCKET, 125 HRS. DEMO AND RENTAL..... $11,000
NH 851 LARGE ROUND BALER WITH FREE RAKE OR MOWER..... UNDER $10,000
NH 800 510 BUSHEL SPREADER, ENDGATE. CALL FOR SPECIAL PRICE AND TERMS
3200 GALLON RENTAL LIQUID TANK WITH INJECTORS ... $7500

NH 519, 679, 791, 800 Flat Bed Spreaders
NH 367 210 bu. tank spreader, hyd. lid
NH Mowers, Rakes, and Wagons
NH 315 Baler and 70 or 75 Thrower

USED EQUIPMENT

NH 354 Grinder Mixer w/20' Auger..... $3350
NH 518 Spreader w/gate..... $1750
JD 44 Spreader 3 btr..... $350
NH 1469 SP Haybine, Ford PU ... $3575
NH 273 PTO Baler, Ld. Chute.... $1550
NH 273 Engine Baler, Ld. Chute.. $2475
NH 269 Baler w/thrower..... $1575
Ford 250 PTO Baler..... $475

Twine, Toys, Paint, Heaters
Call to schedule shop repair work.

AUTHORIZED

SPERRY NEW HOLLAND

PARTS and SERVICE

STARLINE VANDALE

ROY A. BRUBAKER SALES ★ SERVICE

Phone: 717-626-7766 or 626-1859
700 Woodcrest Avenue, RD3, Lititz, PA

Used Tractors:

John Deere 2020, 4520, 4430 w/cab, 4630, 4320, 4230, 4030, 4020, 2510, 2440, 3020
Ford 7000, 3400 w/loader, 2000
Farmall 1466, 966, 806, 756, 766, 656, 460, 450, M, H, 100 Hydro, 574 w/loader
Allis Chalmers 210
MF 175 diesel, 1100

Used Combines:

JD 4400 gas
JD 45
JD 55 corn special
NI 704 w/717 combine

Used Corn Heads

JD 2, 4 & 6 row corn heads
IH 6 row
NI 4 row N

Used Choppers:

JD 5200 self-propelled chopper
Fox 3000 w/3 row head
NI uni chopper 3 row narrow uni head

Used Trucks:

IH 2010 tandem w/new grain body & hoist
'73 Chevy C64 w/400 bu. grain body & hoist in good cond.

Used Plows & Disks:

Used Keewanne 20' hydraulic fold mulcher
Used Keewanne 21' disk,
1450 John Deere 7 Bottom
New White 418 spring reset plow
Large selection of John Deere 5, 6, & 7 Bottom
Athens 21' Hyd. Fold disk
IH 470 18' Disk
Large selection of smaller John Deere disks
New Gehl, Fox & Badger Equip.
JD model 2500 6 btm. 18" auto. reset plow
NI 323 one row picker
JD 346 wire w/thrower
NH 273, 275, 276, 278 balers
JD 1209 haybine
NH 467 haybine
Used Moridge grain dryers
Gehl 95 feed grinder
Gehl 920 tandem axle forage wagon, used 2 seasons

D & R EQUIPMENT INC.

Ringoes, New Jersey
(201) 782-5082

WISCONSIN HEAVY DUTY ENGINES

YEAR END SPECIALS

Wisconsin

VH4D 30 HP for N.H. Loader..... $1425
w/clutch-reduction, electric start..... $1895
Crank start..... $1550
AENLD 9 HP w/clutch reduction..... $900
S14D 14 HP w/clutch reduction electric start..... $1275
VG4D 37 HP w/clutch reduction..... $2275
V465D 65 HP w/clutch reduction..... $2800

(Engines in stock to fit most popular skid loaders)

Wisc.-Robin

W1-145 3.5 HP..... $205
EY18-3W 4.6 HP..... $249
EY27W 7.5 HP, recoil..... $326
EY27W 7.5 HP, electric start..... $468
EY27W 7.5 HP, w/clutch reduction..... $413
EY27W 7.5 HP w/pump shaft..... $320
EY44W 10.5 HP, recoil..... $450
W1-390 11 HP, electric start..... $589

Kawasaki

KF24GS, 2.4 HP, 2100 rpm..... $129
KF34GS 3.4 HP, 2100 rpm..... $139
KF53GS 5 HP, 2100 rpm..... $145
KF64GS 6.5 HP, 2100 rpm..... $185

Honda

G200 5 HP..... $250

Deutz Diesels

F2L511, 2 cyl..... $2100
F2L410, 2 cyl., used..... $1150
F5L912, 5 cyl., used 200 hrs..... $4200

Ford Industrial Short Blocks

300 CID Gas..... $750
256 Diesel (Fit 5000 Tractor)..... $1050

FISHER ENGINE SERVICE

3141 Old Philadephia Pike
BIRD-IN-HAND, PA 17505
(717) 768-3729

JOHN DEERE EQUIPMENT FOR SALE

JD 1010 22½' horizontal fold field cultivator, like new
JD 535 truck mtd. sprayer, 40' boom, excellent
Myers 8' Snow Plow, front mtd. for ag tractor

THE ABOVE EQUIPMENT IS FROM AN ESTATE AND IS IN EXCELLENT CONDITION PLEASE CALL FOR AN APPOINTMENT TO LOOK AT ANY OF THIS EQUIPMENT

717-428-1953

USED TRACTORS

(2) JD 2840
JD 2940
JD 2020 Gas w/Loader
JD 4010 Diesel
JD 4430 Diesel
Allis Chalmers "B" w/Blade
International B-275
Ford 9N

USED EQUIPMENT

JD 6620 Sidehill Combine
JD 4400 Combine w/cornhead
JD 336 Baler w/Ejector
JD 24T Baler
Hesston 1502 Tank Spreader
Gehl Grinder Mixer
Tye No-Till Drill, 10 Ft., Like New
JD 6-Bottom Plow, 16"
NI 319 2-Row Cornpicker
Used Snowmobiles

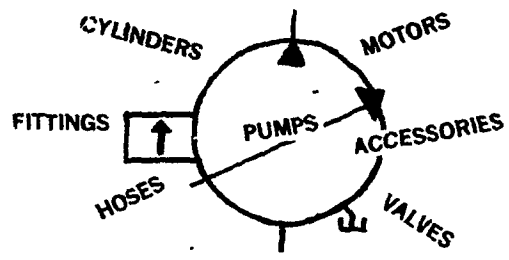
JOHN DEERE

SHOTZBERGER'S EQUIPMENT

Elm, Pa.
Phone: 717-665-2141

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

HYDRAULICS
New & Used



Wholesale and Retail
SALES - SERVICE - INSTALLATIONS

QUALITY AIR TOOLS
At Affordable Prices

- 3/8" Drill, 3/8" Impact, Sanders, Grinders...$59.00 ea. (Less 10%)
- ½" Drill 500 RPM, Screw Gun, 3/8" Rev. Drill..$119.00 ea. (Less 10%)

Chisels - Clippers - Rachets - Air Motors - Air Compressors - Tanks - FRL's, etc.

10% OFF OF EVERYTHING* FROM DECEMBER 10-31
* Does not include installations

Beiler Hydra-Matics
Hydraulic & Air Supplies
Box 587 RD #3 New Holland, Pa.
UPS Service (717-656-2846)

USED SKID LOADERS
Bobcat 371, 600
Case 1737
Cehl 4400 Diesel

USED TRACTORS
AC 7000
MF 285, 2705
Ford NAA
IH model M
JD 50, 3010, 4020

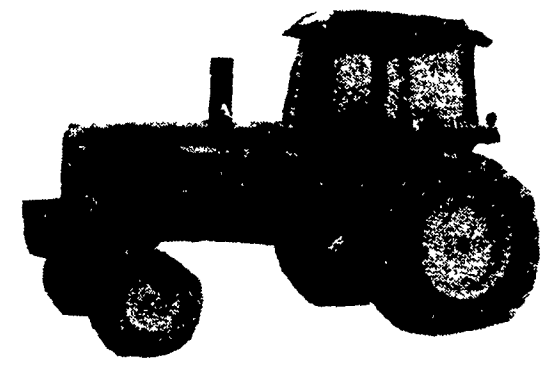
New AC & MF tractors & equipment available with low financing or waiver programs. Check for complete details.

THIS WEEKS TRACTOR SPECIAL
MF 2675 tractor 100 h.p.

List	$39,870.00
Sell	32,500.00
Less Rebate	6,000.00
Your cost	$26,500.00

PARTS SPECIAL $69.95 while stock lasts
- Tractor Heat Housers -
Custom fit & universal fit models in stock.
Also tops & back enclosures available.

Peterman Farm Equipment
717-249-5338 or 249-2150
Farm & Lawn Equipment - Chain Saws
225 York Road
Carlisle, PA 17013



John Deere 4230,
110 HP, Cream Puff
787 Hr.

717-653-8783

USED EQUIPMENT

JOHN DEERE

7700 JD, 1978, 1800 hrs., 643 corn head, 215 rigid platform	$36,000
6600 JD side hill combine, 1978, 643 corn head, 215 rigid platform	$45,000
4400 JD combine w/444 corn head, 13' platform	$27,000
7720 JD Combine, 4WD, 643 corn head	$52,000
95 JD combine, 2 RW head	$6,000
New 215 rigid platform	$4,395

Free Financing to Sept. 1, 1983
on the equipment listed above

New JD 158 front end loader w/96" bucket, fits 4020 or lgr. tractors	$3,300
NH 519 spreader w/endgate	$5,000

M.S. YEARSLEY & SONS, INC.
110-120 E. Market Street
West Chester, Pa. 19380
215-696-2990

SPREAD YOUR DOLLARS FURTHER WITH THESE USED SPREADERS
95-345 BU. CAPACITY

NI 206 ground drive - wide spread
NI 212 flail w/manual gate
NH 512 w/hyd. gate
NI 212 flail w/hyd. gate
NI 211 flail
NI 245 double beater and NI 243 single beater both w/hyd. tailgate, T chain and flotation tires
Large selection of used ground drive, barrel and PTO spreaders plus many New and Used ready to go
H M Scavenger II Model 1466, 50' spread pattern
BADGER 800 gal. liquid manure spreader
New Roto Spread Dairy & Feedlot Specials - Barrel Spreaders
New Hawk Bilt 2195's Hyd. Slide Top Barrel Spreaders

NEED A TRACTOR FOR SPREADING, SNOWPLOWING?

AC 180 D, 175, 5040, D19, D17, D15, B
IHC SMTA w/wide front, 674, 464, 364, 230, 140, Cubs
JD 1520, 420, 60
MF 135 Gas & Diesel, 30 Gas, Industrial 165 w/cab and Heavy duty power angle snow blade.
AC 7000 Cab & Air, 200 Cab & Air
FORD 3600 w/cab
JD 3020 w/cab
AC D17 w/loader, 160 D w/loader
Ford 821 Gas w/loader
AC D17 Gas w/loader
IHC 504 w/loader
Kubota 295 DP w/loader
MF 203 D w/loader

Tractor Loader Backhoes
Case 580 gas, JD 300 Diesel
Coming in - JD Log Skidders, 440B w/pwr. shift & turbo, 440B gear drive, 440A gear drive, 440A gear drive w/slight fire damage.

USED SNOW PLOWS
Large selection for Tractors, front end loaders and Pickups
Snow Blowers 3 pt. hitch, 3 pt. blades
Large selection of new double ring tractor chains
NEW KUBOTA tractors with snow plows or snow blowers - All sizes

WOOD CUTTERS
New 3 pt. Hitch Winches
Kubota Wood Splitters
Danhuser
Little Giant Splitters
3 pt. Woodsman Buzz Saws

FEED TO GRIND
IHC 1150 Grinder Mixer, Gehl 120 Mix All, Gehl MX 100 - Very Good Cond.
NH 358 - Like New
Farmhand Regrinder Blower
New Kill Bros. Grain Boxes w/running Gears

MISCELLANEOUS
New & Used Hay and Grain Elevators
Large Bale movers 3 pt. hitch
Feeders Large Bale Roll A Bout
3 pt. Hitch Carry Alls
Danhuser Post Hole Diggers
NI Cutditioners New and Used - perfect for turning your corn stalks into a soil building mulch - holds moisture - makes spring work easier.
Case 350 dozer, Diesel, 6 way blade & wench, scraping for parts.
Vandale 3000 gal. liq. manure spreader for truck mounting
NH 368 tandem barrel spreader, very good cond.

THINK SPRING!!!
IHC 710 Plow, 4 btm., 18" reset
Ford 140 Plow, 4 btm., 18" reset
AC 2000 Plows, 4 & 5 btm., 16" reset
Used Pittsburg 8' 3 pt. Disk
Bush Hog 10' plowing disk
JD 2800 4 btm. adjustable Spring reset semi mount plow - very good cond.
3 pt. hitch chisel plows
12' Brillion roller
USED Grain drills - IHC & Ontario
Used 3 pt. - to semi mount plows - 2, 3, 4, 5 bottoms
2 rw. 3 pt. hitch vegetable transplanter
1 rw. trailer vegetable transplanter

NEW & USED
8' & 10' Brillion Cultipacker Seeders
Disc's, Harrows, & Cultivators

THIS WEEK'S SPECIAL
USED IHC Model 1150 Grinder Mixer $1975.00
IH S8 Log Skidder Diesel, Good Economy Log Skidder only $5975

HOLIDAY SPECIAL
New 3 pt. Hitch PTO Driven wood saws, $495.00
New 3 pt. Hitch Rear Scraper Blades, $245.
New 3 pt. Hitch, 7½' Disk Harrow, $645.00.
Little Giant Log Splitters LGA 24 Trailer Mounted - 10 Ton Splitting Force
List Price $795.00
Until supply lasts $645.00

CORN PICKER SPECIALS
NI 323 1 row $3250.00
NI 325 2 row Narrow $4975.00

CHILDREN'S TOYS AVAILABLE FOR CHRISTMAS
AC Pedal Riding Tractors, Toy Tractors, Plows, Toy Animals etc.
New Idea Toy Trucks

MARSHALL MACHINERY INC.
5 Miles East Honesdale, PA on Rte. 652
Phone 717-729-7117

---

case | GEHL | HESSTON | SAME

★ **End of '82 - Cash & Carry Specials!** ★

New Waldon Blade, 9 ft. heavy duty dozer blade, front mounted	$1,695
New Knight 252 Manure Spreader	$5,295
New Gehl HL 360 Skid Steer Loader (Demo)	$6,895
New Gehl HL 2600 Skid Steer Loader (Demo)	$5,995
New Woods RB600 6 Ft. Blade (Shop Worn)	$ 450
New SAME Saturno "80" (4 WD, 80 HP) w/Hardy Loader	$17,995
Used Case 1150 Crawler Loader (Excellent for cleaning fence rows & digging slate)	$13,995
Used Universal Skid Loader	$3,195
Used Bobcat 632	$6,295
Used Gehl 4400 (only 1450 Hours)	$7,500
Used Case 1737 (excellent condition)	$4,995
Used Case 1816 "C" ('81 Model, only 219 Hours)	$4,995
Used Gehl 120 Mixmill	$2,995
Used Gehl 115 Mixmill	$2,995

STOUFFER BROS. INC.
1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

FARM EQUIPMENT

TRACTORS

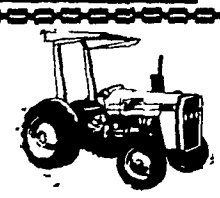
Ford 4500 loader backhoe
Ford 8N loader backhoe
Ford 5600 low hrs.
Ford 5000 D Dual Power
Ford 4200 D SOS
Ford 4000 SU w/roll bar
Ford 3400 w/Loader
Ford 3000 G 8 Speed
Ford 2000 PS & Live PTO
Ford 800 PS w/Snow Plow & Cab
IH 666 D WFE
IH 504 G, 3 pt.
IH 454 Dsl.
IH M w/PS
IH Cub w/mower
AC 5040
AC 160D
AC D17G Ser. IV
AC B w/Equip.
AC G w/equip.
MF 235 G, PS
MF 135 G Live PTO
Ferguson 30 w/Loader
Oliver 77 w/hydraulics
Oliver 70 w/cultivators
Oliver 660 w/hydraulics
JD 3010 Diesel
JD 2640 WFE
JD 2510D
JD 2010 Gas
JD B w/cultivators
Satoh w/loader
Satoh w/Woods mower
MH Pony w/cults.

EQUIPMENT

NH 213 Spreader
Danhuser Post Hole Digger
Ford Plows, 1 to 5 Btms.
Ford Post Hole Digger
NH Flail Chopper
MF 33 Grain Drill
NH 477 Haybine

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

FARM EQUIPMENT



MF Massey Ferguson

TRACTORS & EQUIPMENT

IH 184 Tractor w/Mower & Frt. Blade
IH 284 Tractor w/Mower
IH Farmall Super H Tractor
Ford Loader for Ford 2000, 3000 and Any to 8N
AC D17 Dsl. Tractor
MF 50A Tractor, Loader, Backhoe
MF 275 Tractor
MF 3165 Tractor w/Loader & Cab
MF 40 Dsl. Tractor and Loader
NH 489 Haybine
NH 892 Fg. Harvester
NH 718 Harvester w/822 Head & Pickup
NH 36 Crop Chopper
NI Cut/ditioner
IH 440 Baler
NH 270 Baler w/thrower
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
AC 516 Plow
NH 451 Mower
IH Rake

NEW M.F. EQUIPMENT

MF 520 disc harrow
MF 275 Tractor
MF 285 Tractor
MF 245 Tractor
MF 265 Tractor
MF 210-4 Tractor
MF 1010 Tractor
MF 40B w/Cab
MF 40B w/Cab
MF 20 Turf Tractor
MF 124 Baler
MF 34A Loader
MF 34A Loader
MF 32 A Loader
(2) MF 216 Loader
MF 640 Corn Planter
MF #43 2B Plow
MF 820 Disc Harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter

S.G. LEWIS & SON, INC.

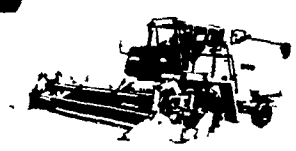
R.D. 2 Box 66 West Grove, PA
215-869-2214

FARM EQUIPMENT

Happy Holiday

Hello! Thanks for your loyal patronage this entire year.

MF Massey Ferguson



NEW EQUIPMENT IN STOCK

MF 540 diesel combine
MF 860 diesel combine, hydro
MF 1144 corn head
MF 1163 corn head
MF 13' table
MF 15' table w/floating cutter bar
MF 13' Ull reel
MF 15' Ull reel
MF 520 disk, 22" 12' scraper
Glencoe soil saver $4,950
Du-al 200 bu. manure spreader, upper beater, hydraulic liquid endgate front spill guard, $4,650.

USED EQUIPMENT

MF 235 diesel tractor
MF 760 combine 16' Corn & grain head
MF 510 diesel combine
MF 300 gas combine w/2 row corn head & 13' grain head
MF 24, 33, 43, 44 corn heads
Heavy duty front end loader for a Ford or Ferguson, excellent condition.
Ford 9N gas tractor

Renting skid steer loaders.

Radio Dispatched Service On All Makes Of Equipment

Large Inventory of New & Used Equipment

ABRACZINSKAS Farm Equipment, Inc.

RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

FARM EQUIPMENT

The Time Is Right... The Price Is Right!!

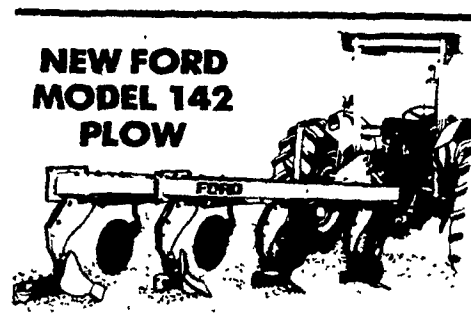
Brillion

NEW BRILLION MODEL CPP-10 CHISEL PLOW

Category II 3 pt. Hookup, 10 ft. with 10 32" Shanks, w/Twisted Shovels, Ga. Wheel Kit... Special **$1975**

REDUCED TO $1,895

NEW FORD MODEL 142 PLOW



3/16" 3 pt. Mtd. Hitch, Category II Pins, 30" High Pivot Spring Trip Beams, 15" Ga. Wheel, with 18" Spring, Mtd. Coulters & Cover Boards

$1445 REDUCED TO $1,295

Sales & Service On:
- Ford
- New Idea
- New Holland

Call Ray or Ed
(301) 734-7722
or
(301) 879-1434

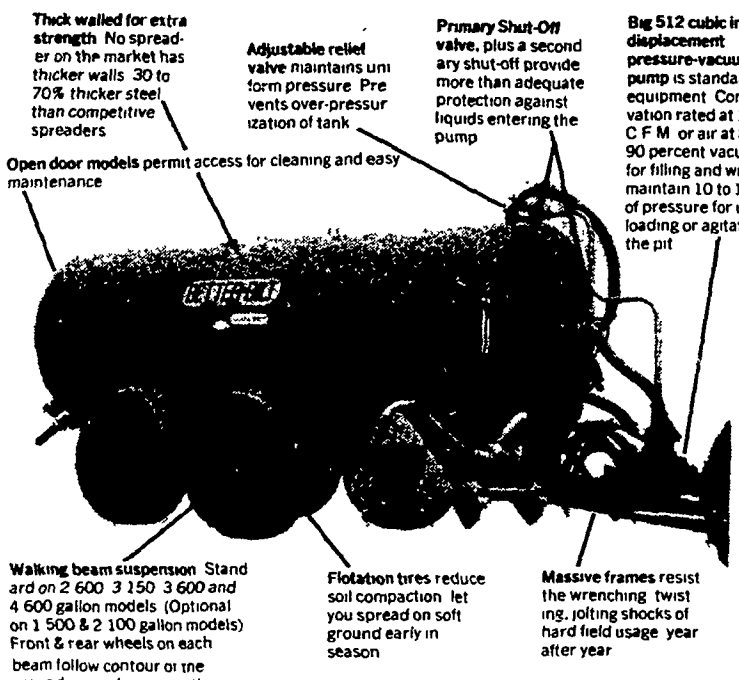
WALTER G. COALE, INC.

2849-53 Churchville Rd.
Churchville, Maryland

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS
537 E. 28th Div. Hwy. Lititz, PA 17543
717-626-6198

Outstanding Features


Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over-pressurization of tank
Primary Shut-Off valve, plus a secondary shut-off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure-vacuum pump is standard equipment Conservation rated at 135 C F M or air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600 3 150 3 600 and 4 600 gallon models (Optional on 1 500 & 2 100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twisting, jolting shocks of hard field usage year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

SPECIAL

1 - USED BETTER BILT 2600 Gallon VACUUM SPREADER w/Tandem Axle and 4" Suction Hose, Plow Down Attach.

1 - Used 5½ ft. Pickup Head for JD 3940 Harvester, good condition.
One 7' Myers snowplow for Ford ½ ton pickup, good condition

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- Lagoon Pumps
- High Pressure Pumps

Umberger's Of Fontana

RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613
Mon.-Thurs. - 7:30-5:00; Fri. - 7:30-8:00;
Sat. - 7:30-4:00

OUR DUTCH AUCTION IS BACK!

Prices reduced on all items daily (except Sunday) until sold

NEW EQUIPMENT

ITEM	STARTING PRICE	DAILY REDUC.	PRICE ON 12/20
17'8" Bush Hog folding Transport disc 24" x ¼ blades	$10,700.00	$13.00	$8997.00
11 ft. - 11 tooth 3 pt 3 Bar 32" shank Brillion Chisel Plow	$2225.00	$ 3.00	$1844.00
STC - 16 Folding Wing 16 ft Transport Brillion Field Harrow	$2595.00	$ 3.00	$2202.00
SFH - 113B Glenco 11' 3" Soil Finisher	$7100.00	$ 9.00	$5921.00
New Idea 402 - 5 bar rake w/rubber flex teeth and caster wheel	$2150.00	$ 3.00	$1757.00
SL4600 Gehl Skid Steer Loader 44 HP Diesel, Water cooled, w/60" manure fork, w/60" material bucket	$16,675.00	$22.00	$13,793.00
80" 6 ft. 7" Pull Tye Drill w/acre meter, double disc openers, demonstrator	$7100.00	$10.00	$4890.00

USED EQUIPMENT

9 ft. Pulvimulcher	$ 425.00	$ 1.00	$294.00
10 ft Power Harrow Roteria 3 pt.	$1995.00	$ 3.00	$1602.00
10 ft 10 tooth 3 bar Bush Hog Chisel Plow w/guage wheel	$1595.00	$ 2.00	$1333.00
729A Uni Sheller	$3750.00	$ 5.00	$3095.00

USED EQUIPMENT

IH 706 Gas Tractor w/Fast Hitch
Gehl 95 Mixer
Gehl 120 Mixer
Gehl 115 Mixer
Gehl 100 Mixer, Good Cond.
NI #213-215 3 btr. Spreader
NH 512 Spreader w/Hydraulic Gate
MC Direct Trail Flail Chopper

Used Uni Equipment

701 Uni Tractor w/Cab, 720 Corn Head & 726 Husking Bed.

NEW EQUIPMENT

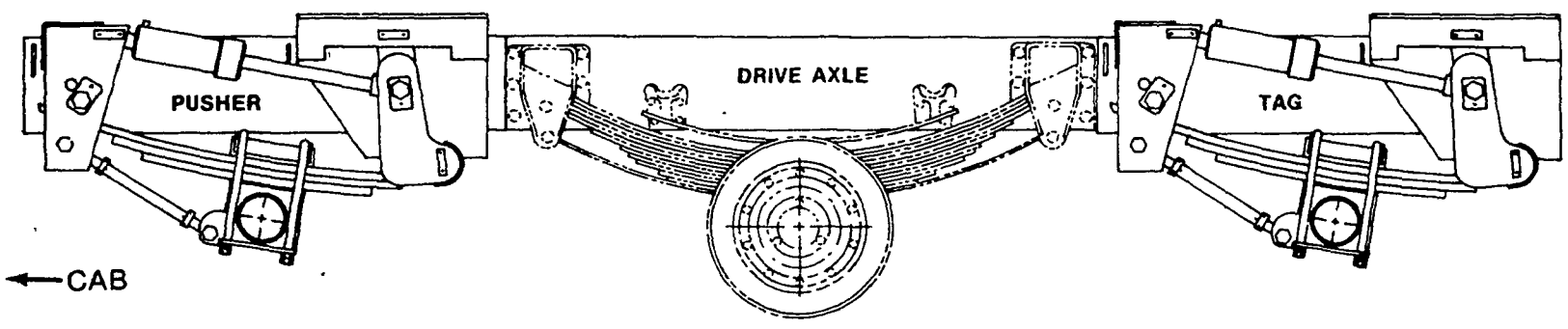
Hesston #1580 Tractor (130 h.p.) w/cab
Hesston #980 4 Wheel Tractor (90 h.p.) w/cab
Hesston 7600 SP Forage Harvester
Hesston 6550 Diesel SP 12' Windrower
Caldwell 7' & 8' 3 pt. Blades
NI 213-217 176 Bushel Manure Spreader
NI 214-217 206 Bushel Manure Spreader
NI 244 Manure Spreader
NI 245 Manure Spreader
Pequea #250 3 pt. Cord Saw
Wic #45 5 h.p. Hydrostatic Self Propelled Silage Cart
Wic 7 h.p. straw chopper
4 star 3 pt. Round Bale Spear
802 Uni w/power assist, 838 husking bed and 844 Narrow corn head
(2) 18.4x38 8 Ply Rear Tractor Tires Special $425.00 each

ATTENTION FARM TRUCK OWNERS

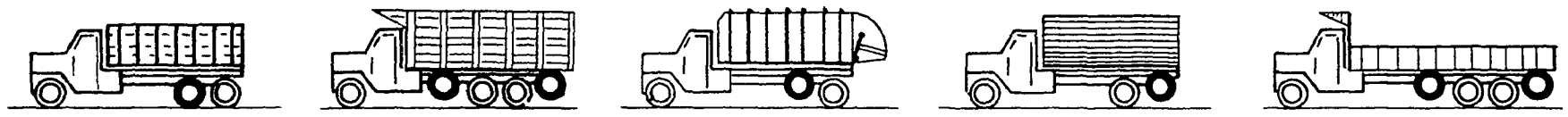
Now you can add an additional 20,000 lbs. G.V.W. to your truck by installing a HARSH TRACTION-LIFT SUSPENSION AVAILABLE FOR AIR OR HYDRAULIC BRAKES

"TRACTION-LIFT©" HEAVY DUTY SUSPENSION PUSHER OR TAG

HYDRAULIC



SHOWN IN USE AS PUSHER OR TAG



GENERAL SPECIFICATIONS:

- AXLE STROKE OF 6" GIVES MAXIMUM LIFT ATTAINABLE
- SHIPPING WEIGHT - 520 LBS.
- HEAVY DUTY SPRINGS RATED AT 20,000 LBS. PER PAIR
- 3" BORE HYDRAULIC CYLINDERS WITH 1½" ROD (2)
- POSITIVE POWER UP & DOWN ELECTRIC OVER HYDRAULIC PUMP
- OVERALL LENGTH - 44 INCHES
- ACCEPTS ALL STANDARD 4½" AND 5" DIAMETER TUBULAR AXLES
- AXLE SPACING OF 50" CENTERS MIN., OR AS REQUIRED

USED OLIVER TRACTOR PARTS

2- Hydra - Power Transmission Rebuilt
1550, 1600, 1650 $1000.00 Exchange

2- Hydra - Power Transmission Rebuilt
1750, 1800, 1850, 1900, 1950 $1250.00 Exchange

3- Wide Front Axle Assemblies

Reconditioned Oliver Crankshafts with Bearings in stock

1- L-119-B, .020 Rods & .020 Mains
66 Gas
1- L-119-D, .010 Rods & .010 Mains
Super 55&66, 550, 660, Gas & Diesel

1 M-119-D, .020 Rods & .020 Mains
Super 77, 770, Gas & Diesel

1- K-119-D, 010 Rods & .010 Mains
Super 88, 880, Gas & Diesel

1- 155-883-A, STD. Rods & STD Mains
1600 Diesel

1 155-884-A, .010 Rods & 010 Mains
1600, 1650, 1655, Gas

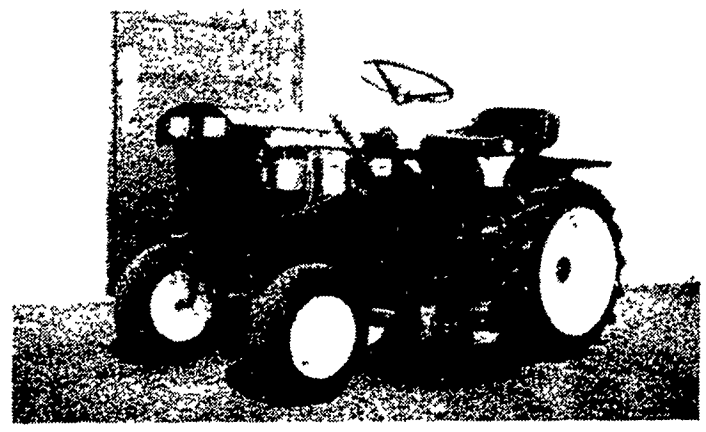
1 155-897-A, .010 Rods & 020 Mains
1650, 1655, Diesel
1750, 1755, 1800, Gas

1- 30 307-8663, 020 Rods & 020 Mains
1750, 1755, 1800, 1855, 1950 T, 1955, Diesel
1850, 1855, Gas

Reconditioned Oliver Cylinder Heads with Valves

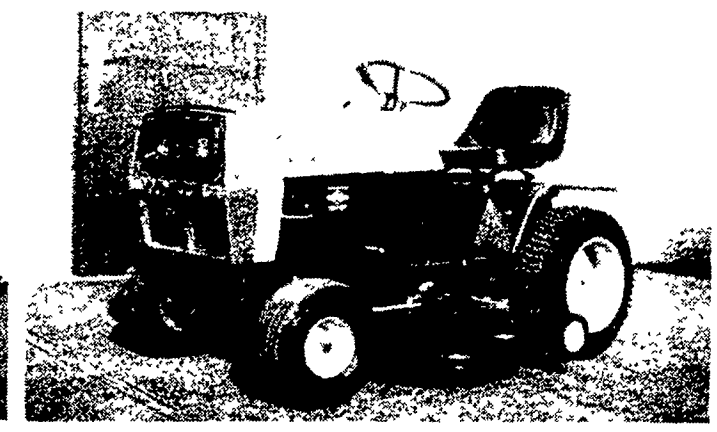
1 - 60 Gas 1 - 55 Gas 1 1855 Diesel
2 - 550 Complete Rebuilt Gas Engine
1 550 Complete Rebuilt Diesel Engine
1 New 770 Short Block

Call Paul Weaver For All your NEW & USED Oliver Replacement Parts. We Will Ship UPS



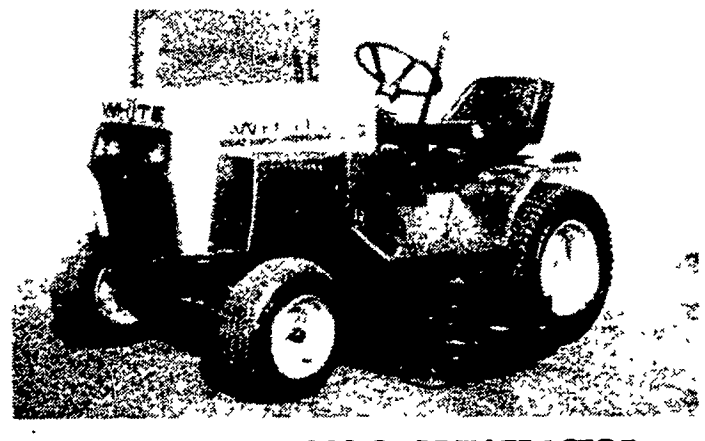
NEW SPEEDEX 1040 GARDEN TRACTOR
10 HP, Electric Start, 4 Speed w/36" Rotary Mower and 42" Snow Blade.

List Price $2767.00 OUR PRICE $1895.00



USED WHITE LGT 1610 LAWN TRACTOR
16 HP, Twin Cylinder, Electric Start, 4 Speed w/ 44" Rotary Mower & New 40" Snow Thrower.

COMPLETE $2195.00



NEW WHITE GT 1822 GARDEN TRACTOR
18 HP, Twin Cylinder, Electric Start, 4 Speed w/ Variable Drive, 50" Rotary Mower & 45" Snow Blower.

List Price $4746.00 OUR PRICE $3495.00

1974 INTERNATIONAL V8 GAS
13 Speed, Reconditioned w/New 18 Ft. Aluminum Grain Body, 60" Sides, Double Acting Tailgate, Harsh RL108 Hoist.

$22,500.00

HOLIDAY HOURS
Closed
Fri., Dec. 24
and
Fri., Dec. 31st

FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271

Hours; Mon.-Fri. 7:30 A.M. to 5:00 P.M.; Sat. 7:30 A.M. to 3:00 P.M.

Bolens DIESEL TRACTORS

WHITE FARM EQUIPMENT

Dismantling Combines for parts over 150 all makes and models. Call before you come. Late IH 815 & Gleaner L

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull. 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660.

TRACTORS

IH 560 gas, plain
Farmall H
Distmantling AC D17 gas, wide front end & power steering
3 pt. hitch for Farmall H or M, $200
3 pt. hitch fits Farmall C & Super C, $200
Fast hitch fits Super C or IH 240, $225
U-6 Detroit Diesel motor, $1500
NI #19 PTO spreader
JD #N PTO spreader
NH PTO spreader
AC B w/plows and 1 rw. cultivator
Ford 901 PS/3 pt. new tires
IH 560 Diesel
Wide front end to fit MF 85
MF 12' chisel plow
Grayham 8' chisel plow
IH 5 btm. plow
IH 1300 3 pt. balanced head mower
JD #76 tank spreader
NH wagon w/220 gravity box

CORN HEADS

NI uni 2 row
MF 3 rw. 30" corn head
NI 738 4 rw 30" corn head $2475
JD 47 loader, $225

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts

JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N. Case SC & V.A.C., DC. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.

Dismantling 50 pickers for parts

KEITER'S FARM MACHINERY

R.D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
Phone 717-362-9574

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FORD TRACTORS

New TW 20 w/cab, 4wd, air
New 7700 w/cab, air
New 6600
1300 w/front wheel drive

NEW HOLLAND

New TR70 Combine w/ cab, air, heater, w/ cat. engine and lots of extras
13' flotation header and cutter bar, w/hume reel
962 N4 corn head
Used 13' NH grain head w/hume reel
New NH harvesters - 707, 718, 782
New NH 892 w/metal detector
New L35 gas, L55 diesel, L775 diesel skid loaders
Used 469 NH haybine
Used 479 NH haybine

NEW IDEA

New 456 large round baler $7500
New 299 9'3" mow ditioner $4000
NI 404 and 406 rakes
NI 323 one row corn pickers

Used IH 550 harvester w/pickup head and 2 row corn head

TRACTOR & COMBINE PARTS

We Ship Anywhere

Cross Tractor Salvage
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toll free
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NEW LEADER Lime & Fertilizer Spreaders

HI-WAY Cinder Spreaders - All Types
FRINK & VALK Snow Plows

ANNVILLE BODY CO.

P.O. Box 217, R.D. #3
Annville, Pa. 17003
Phone 717-867-4631

Badger OMC AVCO NEW IDEA

CHRISTMAS SPECIALS

IH 450 Plow 3B
IH 35 Ground Drive Rake
IH 2400 Round Baler
IH 425 Baler w/thrower
IH 1190 9 ft. Windrower
IH Manure Spreader
IH Hydro 84 Tractor
IH 784 Tractor
IH 684 Tractor
IH 3388 2+2 Tractor
NI 456 Lg. Round Baler

WILL SELL AT COST OR LESS TO CLEAR OUT LOT BEFORE 1983 ONLY 1 each available of these items.

JD 4020 WFE Side Console, Low Hrs
IH 656 Dsl w/2000 Loader
IH Super C
IH Super H, Excellent
IH 2500 Industrial Tractor w/Loader
IH 2500 Tractor/Backhoe Loader
IH 1206 Tractor
IH 806 Tractor
IH 706 Tractor
IH 674 D Tractor
IH 656 D Farmall Tractor A 1 Cond
IH 656 Gas Farmall Tractor
IH 606 D Utility Tractor, Exc.
IH 574 D Tractor w/2050 Loader
IH 544 D Tractor Utility Hydro, Ft Pedal
IH 125 E Hi Lift
IH 200 Farmall w/Cult. & Front Blade
Case 800 D Tractor
Case SC Tractor
Ford 961 Tractor
IH 756 Diesel Tractor
Long 350 Low Hrs

JD 70 Skid Loader
#10 Hydra-Mac Skid Loader
Bobcat #310 Skid Loader 110 Hrs

JD 2600 5B Auto Plow Variable Widths
IH 710 4x16 Plow Reset
IH 560 6x16 Plow
Long 2x14 3 pt hitch plow
JD 130 3B Plow 3 pt
JD 720 5B 20 Plow
Oliver 3x14 3 pt Plow
JD KBA 12' Transport Disc
Case 8 Disc
Dunham Lehr 9 Disc
Kawanee 13 Disc
IH 19B Disc
IH 534 Row Cultivator
IH 263 2 Row Cultivator
Oliver 10 Ft Disc

IH 650 Harvester
IH 555 Fg Harvester
Fox 546 Fg Harvester
Fox 3300 w/2R Narrow Corn Head
Fox 249 Snapper Head
Fox Custom 90 Fg Harvester
NH #818 Fg Harvester
Brady 722 Flail Chopper
IH #8 Flail Chopper
NH #33 Flail Chopper

NH #6 Fg Wagon
VanDale 185 Mixer Wagon w/Scales
Coby 4000 Fg Wagon
McCurdy Gravity Box
Kilbros Gravity Box
Grove Fg Wagon w/7 Ton Gear
Gehl Fg Wagon w/8 Ton Gear
Brady 512 Feeder Wagon
Badger Fg Wagon w/Tandem Axle Roof

IH 1460 Combine w/6 row Head
IH 915 Combine w/6R Corn Head
IH 715 Combine w/4R Corn Head
IH 205 Combine w/13' Platform

OMC 590 Sm Round Baler
NI 456 Big Roll Baler
IH 241 Big Roll Baler
IH 2400 Big Roll Baler
IH 445 Baler w/Thrower
IH 440 Baler w/Thrower
NI 270 Cut/ditioner
NI 279 Cut/ditioner
IH 1190 9' Windrower
IH 990 9' Windrower
OMC 216 9' Windrower
OMC 208 9' Windrower
Case 555 9' Windrower
Hesston 10' Hydro Swing Windrower
Hesston 320 AP 9' Windrower
NH 404 Hay Crusher
JD 5' Rotary Mower Excellent
Mott 3 Pt. Mower
Fisher Hay Tedder PTO
JD 894 Rake
IH 15 Rake
Hesston 12' Loader for Hydro Swing Windrower

702 Uni Cheap
705 Uni
767 Forage Harvester
710 Combine
729 A Shelter
NI 744N Corn Head
770 Feeder House

IH 56 Blower, Reconditioned
Hussler 56 Blower
Fox 44 Table Blower belt driven
Kools KB60 Blower
NH #27 Blower

JD FB 13x7 Comb Grain Drill
JD 17x7 Comb Grain Drill
IH 16x7 Comb Grain Drill
Oliver 16x7 Comb Grain Drill on Steel Wheels
Oliver 10x7 Comb Grain Drill on Steel Wheels

Jamesway 60' Belt Feeder
York Rake 3 pt hitch
IH 1150 Grinder Mixer
200 gal sprayer
Danco 8' 3 Pt Blade
Little Giant 34' Elevator
KW Loader for IH 284
Walsh 500 Gal Sprayer, Nice

NI 245 Manure Spreader
NI 244 Manure Spreader
NI 224 Manure Spreader
NI 218 Manure Spreader
NI 214 Manure Spreader
NI 213 Manure Spreader
NH 676 Manure Spreader
Better Bilt 2600 Gal Liquid Spreader
IH 540 Manure Spreader
Hawk Bilt #357 Spreader
Hawk Bilt #357 Spreader, Exc

JD 1240 4 Row Corn Planter
IH 400 6R No Till Corn Planter w/Monitor
IH 400 4R No Till Corn Planter
IH 56 4 Row Corn Planter

2% Cash And Carry Discount on All Parts

The Place to Buy New & Used Equipment
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975 S. Main St., Chambersburg, PA
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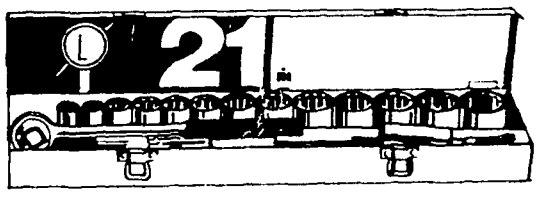
PARTS VALUE OF THE MONTH

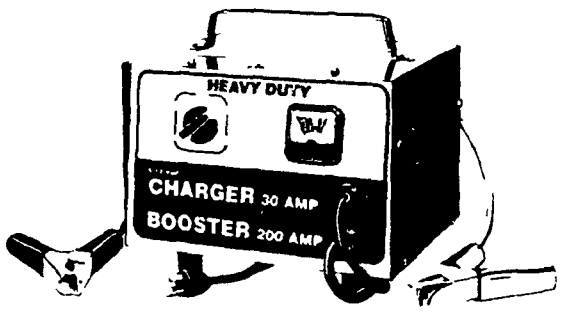
CHRISTMAS BELL RINGER SALE!

SAVE UP TO 24%



Socket Sets
Just what the man on your Christmas list needs
Save big on top quality socket sets
Sizes from ¼ to ¾"

21-piece 1/2' drive Socket set, field grade Special price $52.45 Save $13.67



Battery Chargers
Save up to 24% on our line of battery chargers from 10 to 80 amps A much appreciated practical gift

30-amp Charger Special price $113.35

PARTS MART

Tractor and Combine Radios
Say it with music and big savings Check our fine selection of sound systems for tractors and combines at savings up to 26%.

AM-FM pushbutton fender mount radio Special price $113.95

And don't forget the kids! See our scale model toys!
(Savings based on equal IH suggested list prices)

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★ CALL US - WE PROBABLY HAVE IT - ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

United Parcel Service

HE'LL GET A CHARGE OUT OF THIS GIFT

30-AMP HEAVY-DUTY CHARGER & BOOSTER

The ideal charger for many, many uses around the farm and ranch.

- Fast charge delivers 30 amps on 6 and 12-volt batteries.
- Slow charge 5 amps for overnight charging.
- Booster up to 200 amps for starting engines.

—407 391 R92.

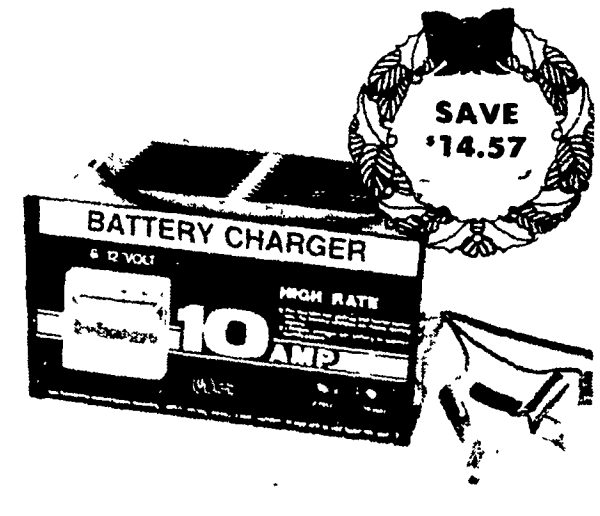
SPECIAL.... $115.95

80-AMP BATTERY CHARGER BOOSTER AND TESTER

- Charges to 80 amps, boosts to 300 amps.
- Tests alternators, battery charge; 7 other tests.
- Exclusive dual meter design.
- Timer.
- Rugged construction.
- Part number, 1131 855 R1

Reg... $293.43

SPECIAL.... $242.95



10- AMP CHARGER

This household and utility 10-amp charger is an excellent choice for home and farm. 407 389 R92.

Reg... $64.52

SPECIAL.... $49.95

7-PIECE SCREWDRIVER SET

Includes 4" round blade, 6" round blade, 8" round blade, No. 1 Phillips, No. 2 Phillips, stubby screwdriver, pocket screwdriver, plastic tray. 999 355 R1.

REGULAR $24.46

(Total individual piece price)

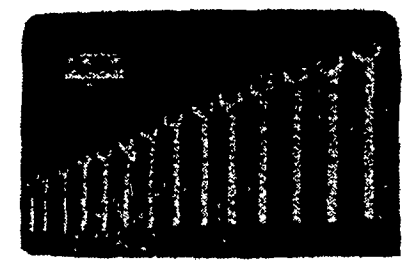
Special $11.99

Savings $12.47

12-FOOT POWER LOCK TAPE

Blade locks where you want it, rewinds automatically under power. Graduated in sixteenths and thirty-seconds on the first six inches; has stud markings every 16 inches. Chrome plated case, with metal belt clip. 999 129 R1.

$7.99



14-PIECE COMBINATION SET

Fourteen combination wrenches (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4-inch); plastic tool roll. 999 546 R1.

Special $95.99

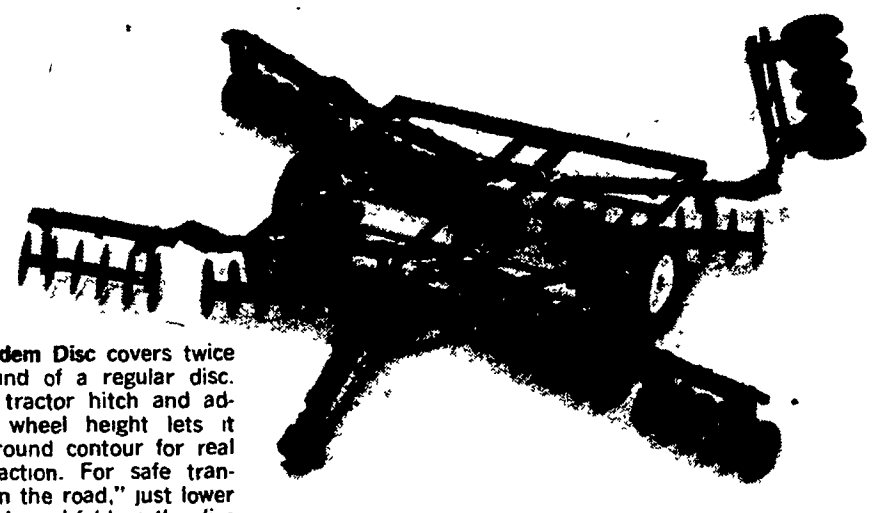
Savings $29.00

UTILITY LIGHT

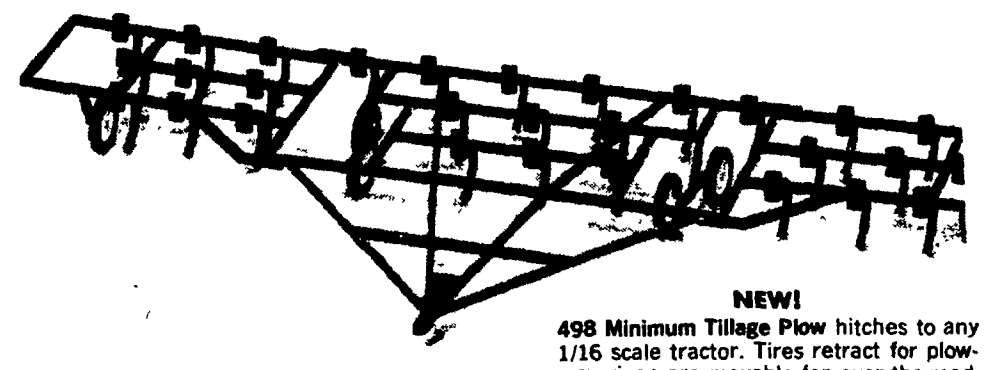
Handy for hundreds of uses, this light features directional swivel hook, vented high heat polypropylene bulb guard, safety switch button guards with built-in three-wire grounded outlet comfortable finger grips, 25-ft. cord. 1131 503 R1.

$11.95

20% OFF ALL TOYS In Stock



493 Tandem Disc covers twice the ground of a regular disc. Floating tractor hitch and adjustable wheel height lets it follow ground contour for real discing action. For safe transport "on the road," just lower the wheels and fold up the disc arms 10¾" long, 13¼" wide, 2¾" high.



NEW!

498 Minimum Tillage Plow hitches to any 1/16 scale tractor. Tires retract for plowing; wings are movable for over-the-road travel 14¾" long, 29" wide, 2¾" high

PARTSMART

WILL SHIP SAME DAY VIA UPS - PPSH - BUS - AIR FREIGHT - ETC.

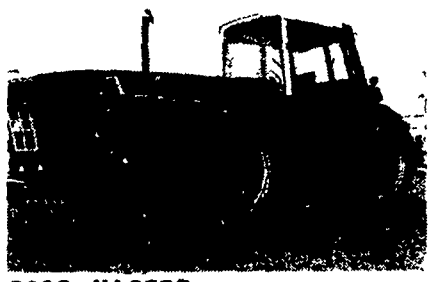
YEAR-END SALE

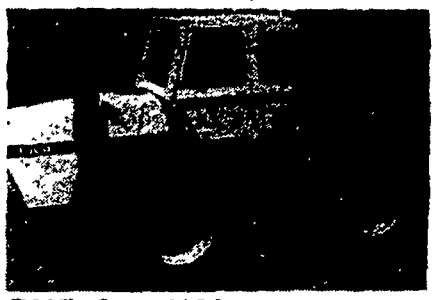
FROM DECEMBER 18 to JANUARY 15, 1983

Our Lot Open For Inspection Every Day.

We Will Bill In 1982 Or 1983, Whichever You Need For Taxes

USED TRACTORS


8008 - IH 3588

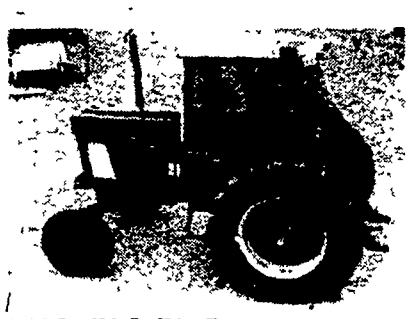

7617 - Case 4690

7861 - Massey 1805

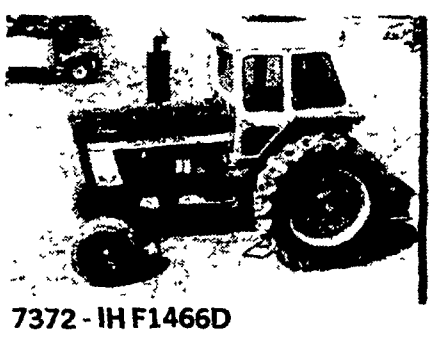
7373 - Deere 8630

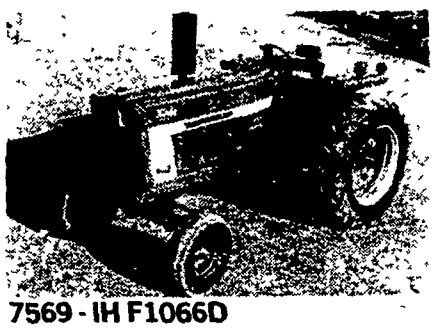
7305 - White 2-155

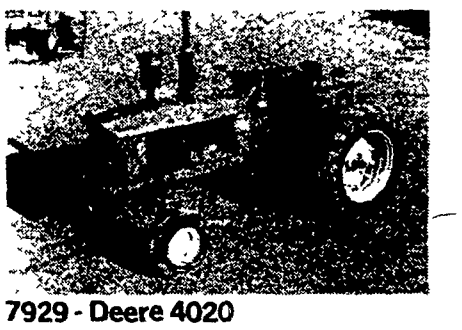
8030 - IH F1586D

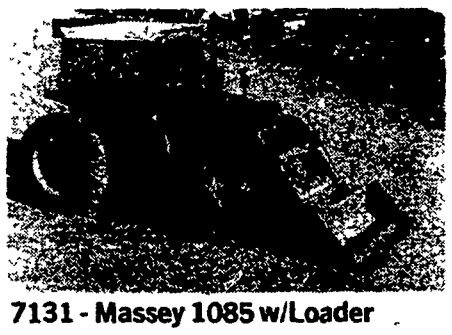

6432 - IH F1586D

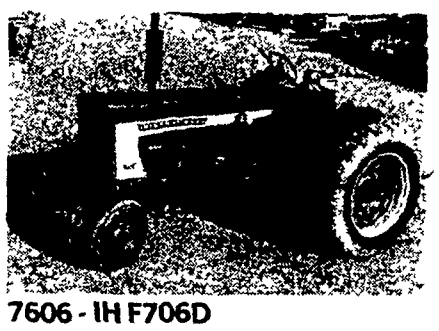
7962 - Ford 3000 w/Loader

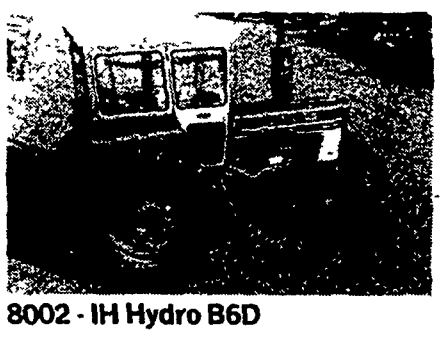

7372 - IH F1466D


7569 - IH F1066D

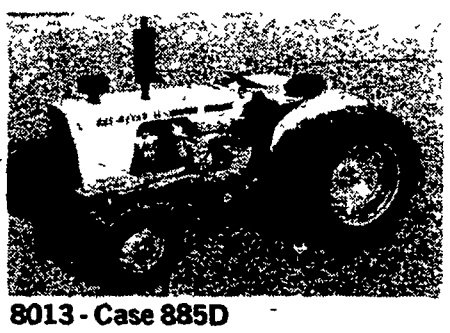

7929 - Deere 4020

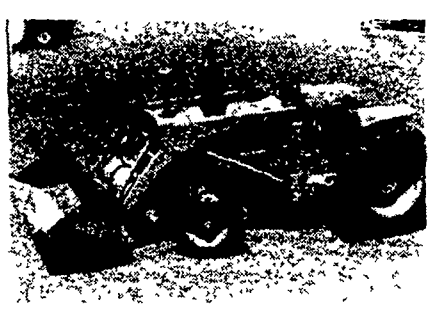

7131 - Massey 1085 w/Loader

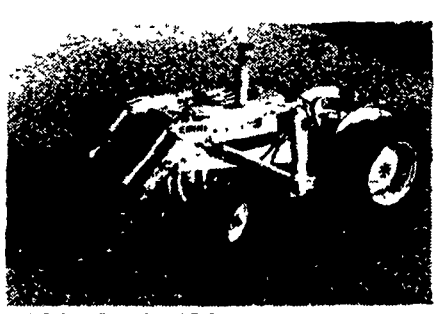

7606 - IH F706D

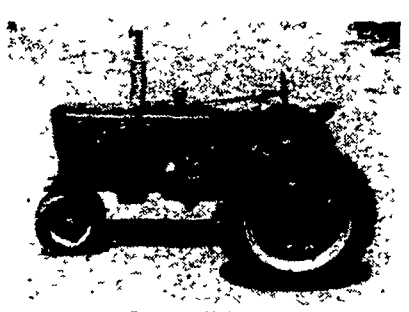

8002 - IH Hydro B6D

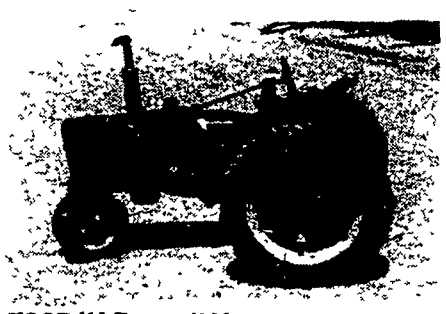
8001 - IH 560D


8013 - Case 885D

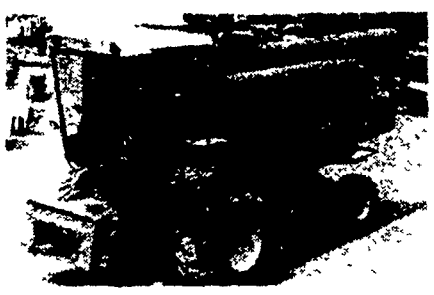

7449 - Ford 335D Loader


8033 - Ford 3400

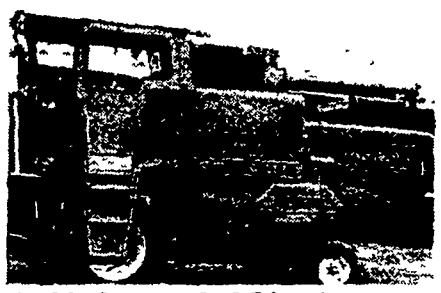

7500 - IH Farmall M

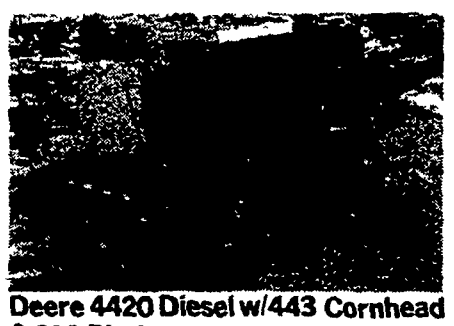

7825 IH Farmall H

USED COMBINES


7935 - IH 1460

7904 - Deere 4400 Gas


7222 - Massey 510 Diesel


Deere 4420 Diesel w/443 Cornhead & 213 Platform

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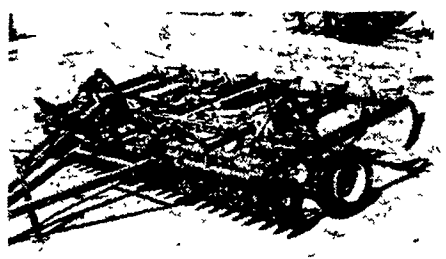
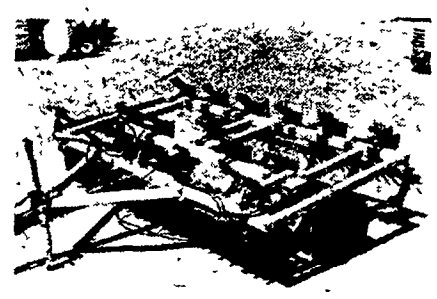
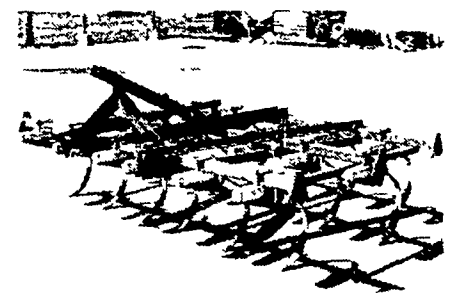


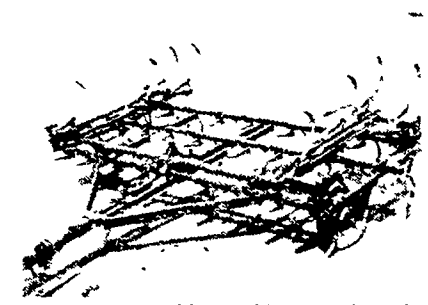
6493-Glencoe Soil saver SSP-11



7537-Wilbeck Digger Disc - 11 Shank

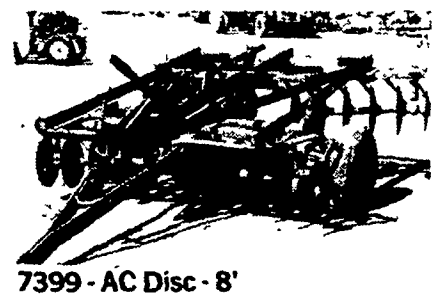


7504 - IH 45 Vibra Shank - 8½'

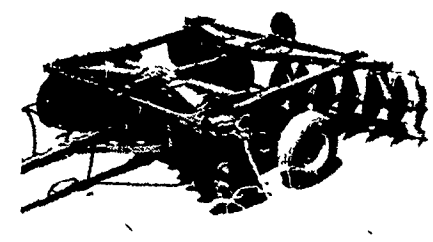


7893 - IH 45 Vibra Shank - 16½'

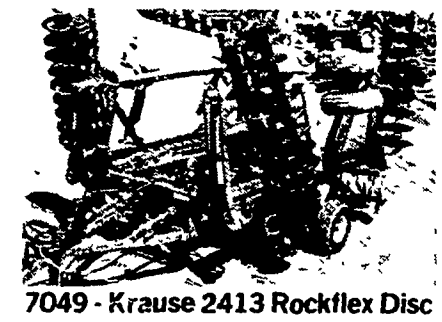
7688 - Ford 4F 16" Mounted



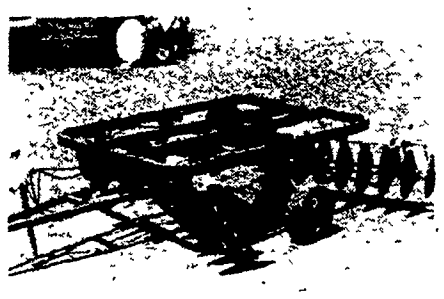
7399 - AC Disc - 8'



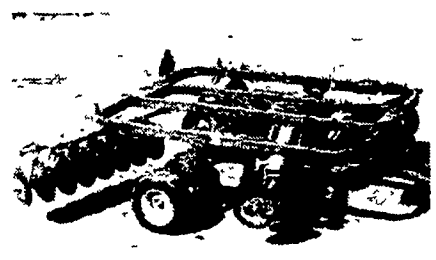
7680 - Deere 1630 Disc



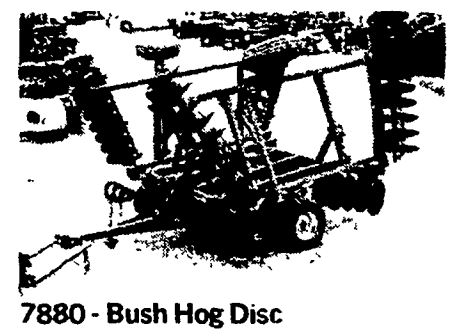
7049 - Krause 2413 Rockflex Disc



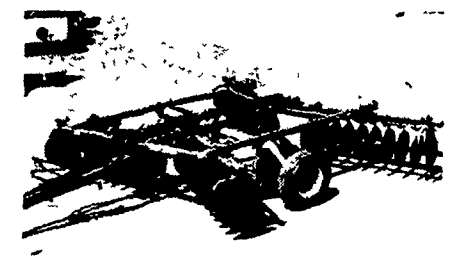
7577 - Deere 310 Disc



6332 - Deere 310 Disc

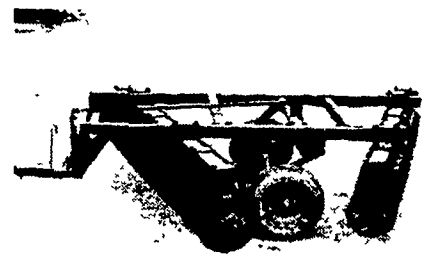


7880 - Bush Hog Disc

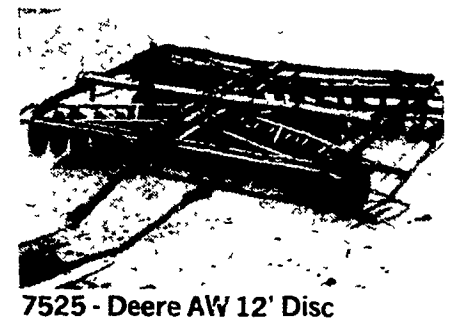


7692 - Krause 2204 Disc

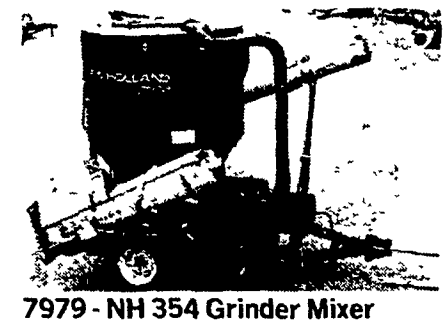
7878 - Hesston SM30 Stakmover



6972 - Deere Offset 12' Disc

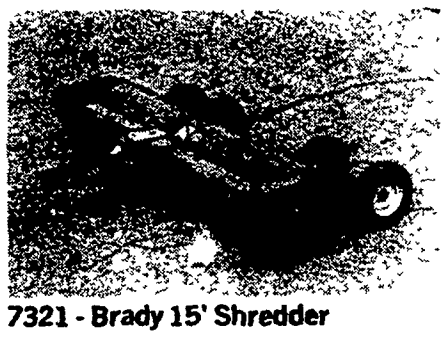


7525 - Deere AW 12' Disc

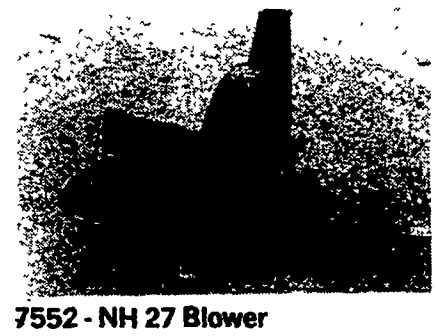


7979 - NH 354 Grinder Mixer

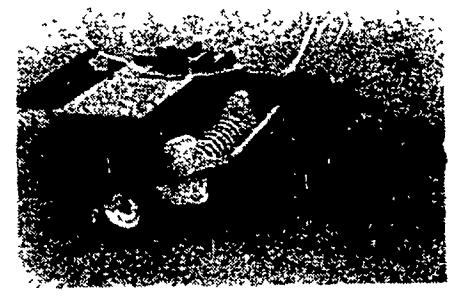
MISCELLANEOUS



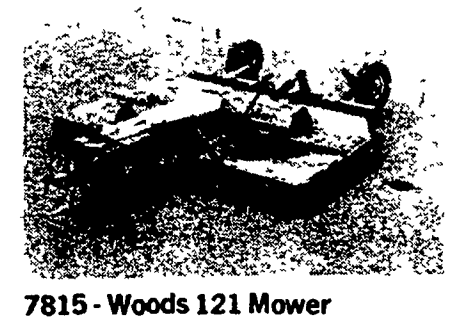
7321 - Brady 15' Shredder



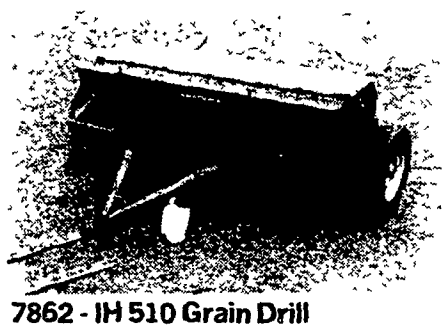
7552 - NH 27 Blower



6987 - IH 430 Baler

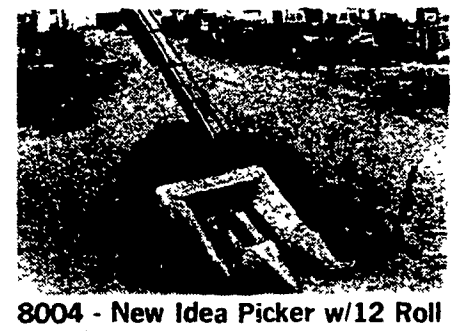


7815 - Woods 121 Mower

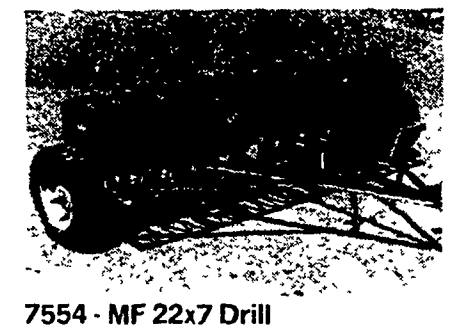


7862 - IH 510 Grain Drill

8005 - New Idea Picker Sheller - 2R



8004 - New Idea Picker w/12 Roll Husking Bed



7554 - MF 22x7 Drill

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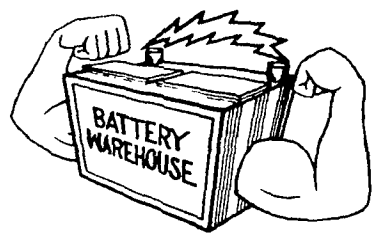

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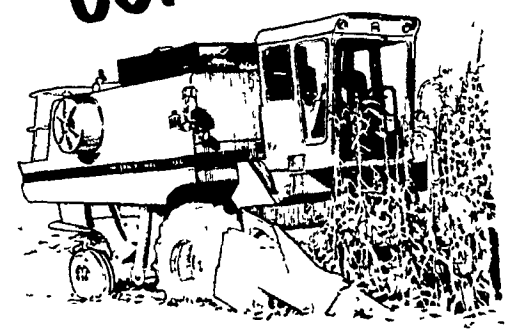

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IH 1086 Rental Low Hours		Time To Sell!
IH 4130 Gas Skid Loader, Demo		Call For Price!

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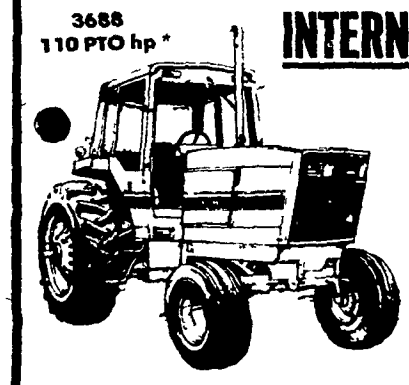

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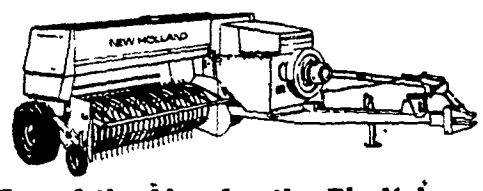
NH 320 Baler



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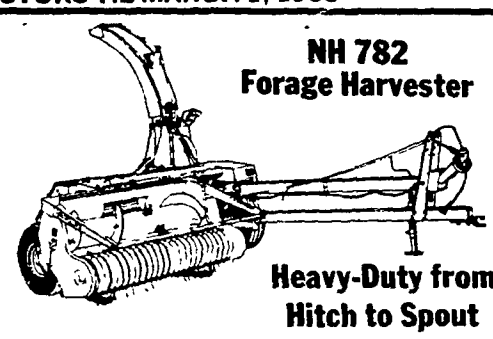

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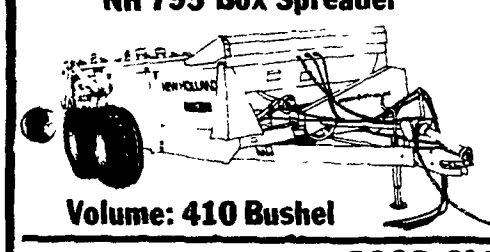
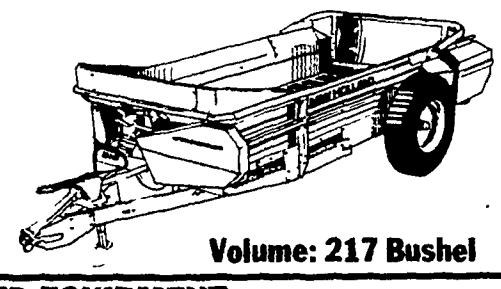


Volume: 410 Bushel

NH 519 Spreader



Volume: 217 Bushel

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Int. 1086 w/cab, air, 300 hrs
Int 684, 500 hrs

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NI Mower Conditioner
IH 430 Baler & Thrower
N I Mower Conditioner, Like New
J D Hay Tedder
NH 68 Baler
NH 67 Baler
NH 65 Baler
NH Model 1495 Self Propelled Haybine
NH 53 Thrower to Fit 273, 275 Baler
Int 1190 Mower Conditioner

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NH Model 30 Blower, 1000 R P M
NH 717 Harvester, 2 Row Narrow Head
NH 717 N2 Narrow Row Corn Head

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Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service
CHECK LONG TRACTOR SALE

LONG

New Long traveling irrigation unit 1820
New 610 DT
New Long 460
New Long 510
2 Long 560
New Long 310 DT
Cab for Long 560
AC 190
IH 1066 w/cab
IH 656 Hydro
IH Lowboy cub
Farm SOLD w/PS
JD 4230 w/cab
2 JD 4020 one w/cab
2 JD 3120
JD 3020, very nice
4 JD 2130 1 w/cab
1 JD 2120
2 JD 2030 w/cab
MF 175
Ford TW 10 w/canopy
Ford 9000
Ford . 8600 w/dual power
Ford 7000
New Ford 6610 $15,500
3 Ford 5000, one w/dual power
Ford 4500 backhoe
2 Ford 4000, 1 w/loader
4 Ford 3000
Ford 850 w/PS
Ford 871
Ford 641 diesel
Ford 541 offset
Ford 772 A loader
Roadless 95 4 wh drive 90 HP
Ford 9N

¼ Mile East of Exit 6 I-81

Yuletide Greetings

case

Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery
1980 Case 580C Backhoe/Loader w/Cab, Low Hours
IHC 806 Tractor, completely overhauled
1980 Massey Harris 450 Round Baler
NI 727 Husking beds, good shape
Plus NI cut/ditioners & mow/ditioners, tractors & spreaders in stock at Good Prices.
Interest waiver on all new and used equipment till March 1, 1983.
On New Idea Equipment till June 1, 1983

C. & P. FULTZ EQUIPMENT
RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

STRALEY FARM SUPPLY

Ford Tractors Equipment

1760 E. Canal Road
Dover, Pa. 17315
Farm - Industrial Equipment
717-292-2631 717-292-4443

All New Ford Tractors (from 12 to 300 HP) Interest Free until January 1, 1984
Free 1983 Ford pickup

Free Ford Ranger Pickup
TW30 4 Wh. dr., dual rear wheels, w/radial tires, cab & air, front & rear weights, training tractor, 163 HP, $42,000
OR
TW10, 110 HP, cab, radio heater & dual power, lease tractor $28,000

TRACTORS
Ford 8600
Several Cub Lowboys w/5' mowers
New Ford 3610 diesel w/8x4 synchromess trans. $9,995
New Ford 1900, 4 wh. dr., diesel,
2600 Ford, cab, front broom $10,995
5600 Ford, 4 wh. dr., Blue Power Special
5600 Ford 150 hrs. looks sharp
AC D10 w/loader good shape
Ford Jubilee engine complete overhaul
Ford 800, good shape, 3 pt. hitch
Ford 8N's good rubber, motor good.
David Brown 4600 select-o-matic w/3 pt. hitch $1,495
Ford compact loader, CL40, 750X15 truck tires, $5,900
IH 550 overhauled motor
Ford 4610 8 speed transmission, front weights, roll bar
Gehl Skid loader model HL 3030 $2,500
New Ford CL 20 compact loader $7,495

EQUIPMENT
Big Dipper front end loader model 672W $1,500
NI 310 pull-type 1 row picker
Ford 1 row mounted corn picker $495
Brady portable hydra mixer, model 1050 $2,495
New gravity boxes several to choose from
New IH model 720 forage harvester w/corn & hay head $7,500
New Speedy corn crib, 1200 bu. $795
New Brady spreader model 141, 150 bu., special $2,495
NH model 975, self-propelled combine, 13' grain head $2,995
New Ford silo blower model 618
Ford chisel plow 131 10 shank $1,595
Used 350 Chief grain dryer $2,495
New post hole diggers w/auger $295
York blade 6' 3 pt. hitch
Woods blade 6' 3 pt. hitch
Hanson snowblower, 3 pt. hitch, $1,000
Myers snowplow, for truck, 10', complete mounting $800
Selection of used loaders

INDUSTRIAL EQUIPMENT
TLB Ford #4500 diesel engine
Ford TLB 550 w/cab, heater, torque converter, real sharp $18,900
Ford Tractor w/forklift model 4000
AC grader w/diesel engine, 6 cyl.
IH truck 550 diesel
Fruehauf 42' drop deck trailer air rides 1976 model $6,900
5 industrial trailers, all sizes, priced right prices low as $1,995

Just in time for Christmas-
Ford toys - 20% discount
Match box tractors & cars, TLB's
Riding Tractors, Complete farm set
Call us and place your order.
We will mail UPS to you.

46th ANNIVERSARY

SALES DAYS

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

DECEMBER 27, 1982 thru JANUARY 7, 1983

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon
Closed Dec. 25 and Jan. 1

All Items Subject To Availability

TILLAGE PARTS

MOLEBOARD PLOW PARTS

PLOW PARTS
15% OFF
Regular Price

SPRING CUSHION SHANK

Simple design allows lift up to 6½" to clear rocks, etc. Returns itself to working position. Gives vibrating tillage action. 1"x2"x26" **$75.00**

TWISTED CHISEL POINTS

- Heat treated, tumbled & varnished
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow bolts

DF4995R ..	3x1½x22R H	$7.95
DF5995L .	3x1½x22 L H	$7.95

Recondition your disc harrow pre-book and receive direct ship. prices.

Disc Blades Sample Prices

	SALE
• 20" plain 7 ga 1¼x1-1/8 dual sq	$16.21
• 22" plain 6 ga 1¼x1-1/8 dual sq	$22.40
• 22" plain 6 ga 1½x1¾ sq or round	$22.40
• 22" plain 6 ga 1¼x1½ sq or round	$22.40

U.S.A. MANUFACTURED

- 60% Tougher - To resist cracking & splitting
- 20% Longer Wearing than other blades.
- Extra Strength - True fracture Strength is 10% greater.

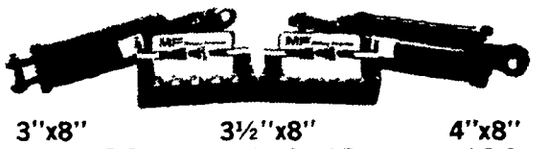
Weathered Disc Blades In Stock

• 16" plain 11 ga 1" round	$5.00
• 16" notched 11 ga 1" round	$5.00
• 18" plain 11 ga 1" sq	$7.00
• 18" notched 11 ga 1" Sq or 1¼ round	$8.00

• VS1 1½" Rev. Tooth	SALE $1.50
• VS2 2¾" Spoon	SALE $1.35
• VS4 4" Duck Foot	SALE $1.69

VIBRATING "S" TINE TEETH AND SWEEPS

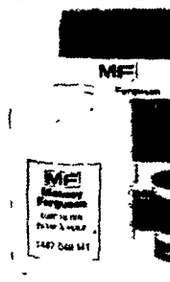
HYDRAULIC CYLINDERS



3"x8"	3½"x8"	4"x8"
SALE $64.20	SALE $79.40	SALE $92.65

- ■ Hardened Rod
- ■ Larger Tie Bolts
- ■ Double base ports
- ■ Pre-Stressed Tie Bolt material
- ■ Hardened pins & bushings
- ■ Stronger rolled threads on the bolts
- ■ Harder "O" Ring (90 Durometer) with polyurethane back up seals.

- ½ NPTF 8010 Series Male Tip $2.84
- ½ NPTF 4050 Series Female Coupler $5.61



ALL FUEL, OIL & AIR FILTERS
15% OFF Reg Price

GREASE GUNS

- Lever Action, 10,000 P.S.I. **$7.50**
- Piston Action, 6,000 P.S.I. **$13.39**
- Flexible Grease Hose, 12", 10,000 P.S.I. **$2.50**

GREASE TUBE CARTRIDGE

MF "Engineering specified" and approved M-1105 Grease is a premium grade, extreme pressure multi-purpose lithium base grease. Timken approved for bearing applications.

14½ oz. **$8.00** for box of 10
Case of 50 EXTRA 5% OFF

HYDRAULIC HAND JACKS & LIFTING EQUIPMENT

Sturdy malleable iron base and head. Forged steel load rest designed to prevent slipping. Twelve and twenty ton models have positioning handle. All models equipped with two-piece pump handle. Individually packaged with handle in carton.

INVENTORY CLEARANCE SALE

- 6 ton hyd. jack (2 only) $21.95
- 8 ton hyd. jack (5 only) $29.95
- 20 ton hyd. jack (1 only) $59.95

ALL PURPOSE JACK
(Same As Handyman)
7,000 lb. Capacity
SALE **$39.95**

HYDRAULIC & TRANSMISSION OIL

15% Discount Off Regular Price

Gives peak performance at extreme pressures and high temperatures. Made to meet MF engineering requirements.

QUAKER STATE MOTOR OIL

15% OFF REGULAR PRICE

★ Bring Your Own Containers - Get Bulk Price

"BUY QUALITY"

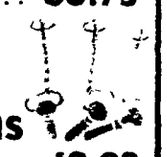
SELECTED PARTS CASH & CAR

HITCH PARTS

TOP LINKS

Category 1
- 16" Center $22.70
- 20½" to 30½" Adj.

Category 2
- 16" Center $30.75
- 20½" to 30½" Adj.



DRAWBAR HITCH PINS

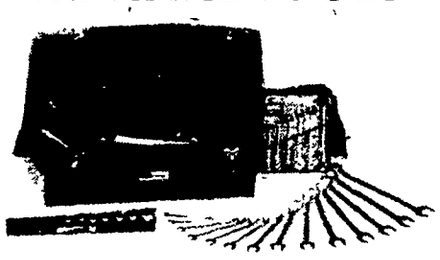
- ¾ Dia. 6¼ Length $3.00
- 7/8 Dia. 6¼ Length w/Linch Pin & Retainer Chain $3.90
- ¾ Dia. 6¼ Length $4.50
- 7/8 Dia. 6¼ Length $5.90

LINCH PINS

- ¼ Dia. ..... 30¢ ea.
- 7/16 Dia. ..... 30¢ ea.

or 4 for $1.00

MF HAND TOOLS



10% OFF REGULAR PRICE
Plus these selected items.

- 7 Pc. Screwdriver Set $9.95
- 14 Pc. Socket Set $34.40

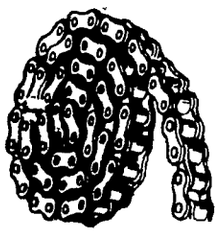
CHEMICALS

HAND CLEANER

1 Lb. ..... Sale $1.50
4½ lb. ..... Sale $5.95

ROLLER CHAIN

Shot-peened parts, solid rollers, factory pre-stitched, vacuum pre-lubrication. This chain is made of special bushings and pins, and offers tremendous RPM & fatigue resistance.



#40	$1.41 per/ft.		
#50	$1.93 per/ft.	#50 double	$4.20 per/ft
#60	$2.74 per/ft.	#60 double	$5.93 per/ft

Sample
841-68
830-70
830-70

8.3 oz.
11.0 o

All Ma
Chemi
fabric a
on top
fire in I
proven
and co
2¾ lbs
5 lbs..
10 lbs.

H
H.C.
Rigic
30 0

10% OFF ON ALL OTHER PARTS
Sold Over Counter From
DEC. 27 to JAN. 7, 1983
★ Cash And Carry ★

MF Massey Ferguson

M.M. WEAVE

LEOLA, PENNA. 17540
PHONE: 717-656-2321

Locat
one-h
Road
Chur

OPEN HOUSE

SPECIAL 1 DAY ONLY - WEDNESDAY, JANUARY 5, 1983

LUNCH WILL BE SERVED 11-3

Maintenance and Operation Seminars
10:30 A.M. Tractors
2:00 P.M. Combines

★ Representatives from various manufacturers will be on hand to demonstrate products and answer questions
★ Join us during Open House for Fun & Fellowship

ARTS SPECIALS
H & CARRY

2.70
0.75
3.00
3.90
4.50
5.90
ea.
ea.
0
CE
9.95
4.40
per/ft
per/ft

PAINTS
15% OFF REGULAR PRICE

Sample:
841-681 M1 Mt. Red Spray..... $2.69
830-707M3 Red Quart..... $7.06
830-708M3 Red Gallon..... $21.42

STARTING ETHER
8.3 oz. Can..... $1.59
11.0 oz. Can..... $1.79

Buy In Case Lots And Receive An Extra 5% DISCOUNT

MF FIRE EXTINGUISHERS
All Massey Ferguson Fire Extinguishers use A B C Chemical. Class A includes burning wood, paper, fabric and other ordinary combustibles. Class B is fire on top of liquids like gasoline, grease or oil. Class C is fire in live electrical circuits. A B C Chemical has been proven to be most effective in extinguishing stubborn and costly equipment fires.

2¾ lbs..... $17.60
5 lbs..... $24.44
10 lbs..... $42.63

ENGINE OIL - SAE 10W-H.D.
Approved for Gasoline, Diesel and L.P.G. Engine
$15.95 For 5 Gal. Container

CUTTER BAR PARTS

HART CARTER or MF FLOATING CUTTER BARS
H.C. Sections.... 79¢ H.C. Guards... $6.56
M.F. Rigid Headers (Special)
Rigid Sections.... 75¢ Rigid Guards.. $5.12
30 031E1 HAYBINE GUARDS..... $5.75
Will Fit Massey-Ferguson 725-925 and most models of New Holland & Hesston

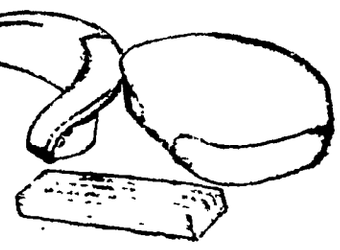
WINTER SALE ITEMS

MF BATTERIES
15% OFF Regular Price
The Dependable Performers

BATTERY ACCESSORIES
Battery Terminal Puller..... $8.39
Battery Filler Bottle..... $5.39
Battery Terminal Cleaner..... $3.75

PURSUADER BOOSTER CABLES
SALE
- 12 Ft. #6 Ga. 400 Amp..... $19.55
- 16 Ft. #4 Ga. 400 Amp..... $25.46
- 20 Ft. #4 Ga. 400 Amp..... $29.89

BATTERY CHARGERS
20 Amp..... $95.95
6 Amp..... $41.95



SEAT APPLICATIONS FOR MF AG TRACTORS
15% OFF Reg. Price

SEAT CUSHION, Mt. 1100-1130-1150
30084E91
$31.73

ARM REST, Mt. 1100-1130-1150
30085E91
$33.41

SEAT CUSHION, 150-165-175-180
30-088E91
$18.16

BACK REST, 150-165-175-180
30-087E91
$15.29

NEW WAGON PARTS

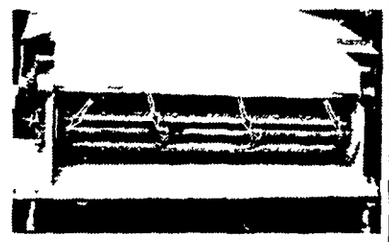
	SALE
• 15x6 Wheels 6 Lug	$20.00
• 15x10 Wheel 6 Lug	$25.00
• 14x5 Wheels 4 Lug	$10.00

ACCESSORIES SPECIAL
- 1000 Lb. Ea. Wheel Weights
  1100-1130-1150
  Pair For..... $750.00
- 19974A91 Front End Steel Weights
  All 100, 200 & 1000 Series Tractors
  $35.00

- 2418 734, 72" Bucket less cutting edge..... $175.00
- 2418 745, 48" Bucket less cutting edge..... $95.00

48-60" Fork Dirt Plate..... $10.00
48" Cutting Edges..... $15.00

PADDLE BAR ASSEMBLY



For:
MF 750 & 850 Combine **$26.07**
MF 760 - 860 Combine **$30.80**

PRESSURE WASHERS
INVENTORY CLEARANCE SALE

- 7550 Pressure Washer 500-515 P.S.I.
  $414.00 (5 only)
- 7650 Pressure Washer, 600-650 P.S.I.
  $554.00 (2 only)
- 7750 Pressure Washer, 700 P.S.I.
  $994.00 (1 only)

PRESSURE WASHER SOAP
General Purpose
10 lb. Pkg..... $15.92
Heavy Duty
10 lb. Pkg..... $15.51

AVER & SONS, INC.

540
321

Located: 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church.

Please mail or call large parts orders now for processing prior to sale days.

FOR MORE SPECIALS TURN THE PAGE→

46th ANNIVERSARY

SALE

DECEMBER 27th thru JANUARY 8th

GOOD USED EQUIPMENT

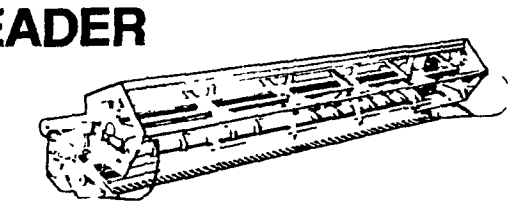
Massey-Ferguson

Winter Warm-Up!

The best time to buy that new MF Combine is right now... with dollar-stretching Winter Warm-Up offers!

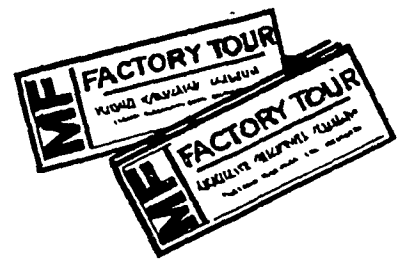
FREE* CUTTING HEADER

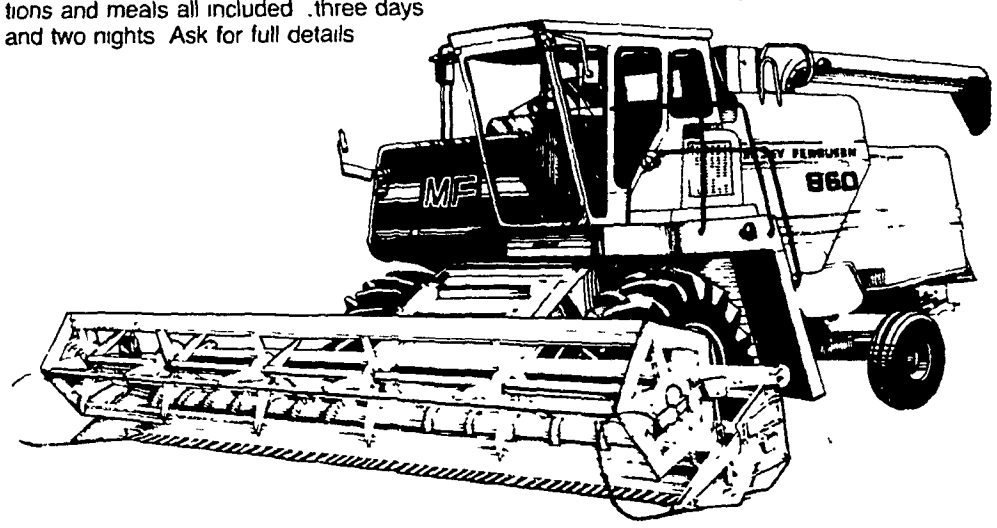
Buy any new MF Combine from our inventory...MF 550, 850 or 860 . and receive a FREE sized-to-match Massey Cutting Header. What a savings!



FREE...FACTORY TOUR

Whichever model new MF Combine you buy, you'll qualify for a free trip for two persons to visit our Brantford, Ontario combine production plant in Canada plus Niagara Falls Round-trip air fare, hotel accommodations and meals all included .three days and two nights Ask for full details





HURRY IN NOW! Winter Warm-Up offers may end soon.

*Freight dealer prep and local taxes not included. All offers limited to available inventory. Free table not to exceed MF approved size on combine purchased

MF Massey Ferguson

SERVICE SPECIAL

MF MASTER CS CERTIFIED SERVICE

MF Certified Service

FARM EQUIPMENT DOES NOT BREAKDOWN WHEN YOU ARE NOT USING IT...BUT THAT'S THE BEST TIME TO REPAIR IT!

10% DISCOUNT ON PARTS USED ON MAJOR OVERHAULS OVER $500 DURING THE MONTH OF JANUARY 1983.

SCHEDULE YOURS NOW!

TAX TIP

PURCHASE YOUR NEW EQUIPMENT BEFORE JANUARY 1, 1983 AND TAKE ADVANTAGE OF BIG SAVINGS.

MF Massey Ferguson

M.M. WEAVER & SON, INC.

Leola, PA 17540

(717) 656-2321

Located. 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church

SPECIAL 10% DISCOUNT

On All Used Machines On This List

CASH & CARRY

A Special Waiver or Low Rate Financing On Certain Machines

USED TRACTORS

MF 2775, 160 hp	$22,000.00
MF 2675, 100 hp	20,000.00
MF 1800, 180 hp, 4 wheel drive	15,500.00
MF 1135, 120 hp., w/cab	12,500.00
MF 1130, engine overhauled	7,500.00
MF 1130	6,000.00
IH 1456	9,500.00
MF 1155, 8 speed	8,500.00
MF 33 wheel loader	9,000.00
MF 180 diesel	3,500.00
MF 165 diesel	4,000.00
MF 811 skid steer, diesel	5,500.00
MF 235 diesel	5,200.00

USED COMBINES

1981 MF 850 Hydro w/1163 corn head, only 230 hrs.	56,000.00
1980 MF 760 V8, 15 ft. floating header, 1163 corn head	62,000.00
1978 MF 760 V8 w/rear wheel drive & grain saver	48,000.00
1976 MF 750 4 wheel drive w/6 row & 4 row corn head & 15 ft floating grain table	39,000.00
1976 MF 750 hydro, 14 ft. grain head.	29,000.00
1976 MF 750 gear drive, 14 ft grain head	26,000.00
1975 MF 760 V8, 15 ft. grain head.	29,000.00
1975 MF 760 V8 hydro, 15 ft grain head	28,000.00
1975 MF 510 diesel, 13 ft grain head.	19,000.00
1974 JD 6600 diesel, 13 ft grain head	24,000.00
1972 MF 300 gas, 10 ft. grain & 2 row corn head	10,500.00
1971 MF 410 diesel, 13 ft grain & 44 corn head	11,000.00
1969 MF 510 diesel, 13 ft. grain head	12,500.00
1968 MF 510 diesel, 13 ft grain head	13,500.00
1968 MF 510 diesel, 13 ft grain head	10,000.00
1968 MF 510 diesel, 13 ft grain head	15,000.00
1968 MF 510 diesel, 13 ft grain head.	10,500.00
1968 Gleaner CII, 13 ft grain & 4 row corn head	8,500.00
IH 315 gas, 12 ft grain head & 2 row corn head.	7,900.00
AC CII Gleaner w/grain head	2,900.00
AC A Gleaner w/grain head	2,000.00
IH 141 10 ft grain head	2,000.00
IH 303 10 ft grain head	2,000.00
New Idea 702 diesel tractor 767 super chopper, 763 corn head, 717 combine, 13 ft floating grain head	14,600.00
JD 45 w/2 row corn head & 10 ft grain head	2,500.00
Oliver 525 w/2 row corn head & grain head	5,000.00

(3) 10 ft, (4) 13 ft, (6) 14 ft, (8) 15 ft (5) 16 ft (1) 18 ft grain heads

(9) 2 row 38" (15) 4 row 38 (6) 4 row 30 (11) 6 row 30 (2) 8 row 40" corn heads

NO FINANCE CHARGES ON USED COMBINES TIL JUNE 1, 1983

USED PLOWS & TILLAGE

MF 880 4-16 hyd. reset plow	2,000.00
IH 4-14 semi-mounted plow	600.00
MF 57 3-16 two way plow	2,000.00
MF 43 3-14 spring trip plow.	1,175.00
MF 82 4-16 spring trip plow.	1,200.00
MF 86 5-16 semi-mounted plow	750.00
JD F145 6-16 semi-mounted plow	975.00
Taylor Way pull type, 12 tooth chisel plow	1,250.00
Brillion 10 tooth, 3 pt. chisel plow	1,150.00
Dunham 8 tooth, 3 pt chisel plow	975.00
Dunham 10 tooth, 3 pt chisel plow	1,250.00
JD 12 tooth, 3 pt chisel plow	1,200.00
IH 31 tooth, 3 pt. Vibra shank cult	1,200.00
IH 13 tooth field cultivator	675.00
MF 129 Front Mtd. cultivator	300.00
JD 3 pt rotary hoe	1,800.00
MF 428, 4 row cultivator	1,700.00
AC 48 blade transport disc	900.00
Lilliston rotary disc.	600.00
JD 10 blade offset disc	300.00
Oliver 10 ft. transport disc	900.00
King 32 blade transport disc	2,500.00
Oliver 36 blade transport disc	900.00
MF 730 offset plowing disc	4,750.00
JD 694 AN 6 Row Corn Planter w/Liquid Fert & Monitor	1,350.00

HAY & MISC. EQUIPMENT

MF 1560 round baler	5,900.00
MF 1440 round baler	5,900.00
NH big bale fork	250.00
NI hay crimper	250.00
IH flail chopper	200.00
M-C 9E rotary sythe	3,900.00
Gehl 99 Hi-throw blower	800.00
Gehl S P 2 row harvester	1,100.00
Badger forage wagon	1,100.00
Badger forage wagon	1,200.00
2 McCurdy gravity box & running gear	800.00 each
Danuser post hole digger	850.00
Danuser log splitter	675.00
Danuser post driver	1,300.00
Mott 5 ft 3 pt flail mower	450.00
Big Bee 6 ft rotary mower	450.00
Fox 3300 harvester, 2 row 30 corn head & pick up & monitor	4,500.00
MF 37 hay rake, pull type	975.00
MF 200 harvester, 2 row corn head	2,900.00
Zimmerman 36 ft elevator	475.00
Meyer snow blade	300.00
Brady 722 6 ft. flail cutter	2,300.00
York 7 ft scraper blade	350.00
New Little Giant corn drag	780.00
Demo Farmhand wheel rake	975.00
New Farmhand grinder mixer	4,900.00
New Farmhand grinder blower	4,500.00
conveyor for above	950.00

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

HARVEST SPECIALS

S.G. LEWIS AND SON, INC.

RD #2, Box 66, West Grove, Pa.

215-869-2214

All Hay Equipment Free Finance until 6/1/83

FORAGE

SNH #892 Forage Harvester w/#822 corn head and 880W windrow pickup. $12,500
SNH #718 Forage Harvester w/#822 corn head $8,000
SNH #25 Blower $1,600

HAY

SNH #451 Mower w/7' Cutter Bar..... $1,860
SNH #472 Haybine $5,875
MF #124 Baler..... $5,000
SNH #80 Bale Handler 375

SPREADERS

SNH 679 Spreader w/splash guard, fine manure pan and hyd. end gate $5,550
SNH #301 Liquid Spreader, 540 Drive w/soil ejector & coulters $9,000

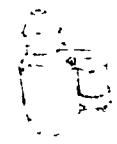
Don't be fooled by lower prices on "will-fit" parts. The management of other brand dealerships recognize the value put into genuine Sperry New Holland parts and service.

This is what made Sperry New Holland the leader and No. 1 in hay and forage equipment. When a problem arises or you need parts or service, call your authorized Sperry New Holland dealer.

215-869-2214 or 215-869-9440

PEQUEA BATTERIES

Ronks, PA 17572



- GENERATORS
- STARTERS
- ALTERNATORS

PARMAK® FENCERS

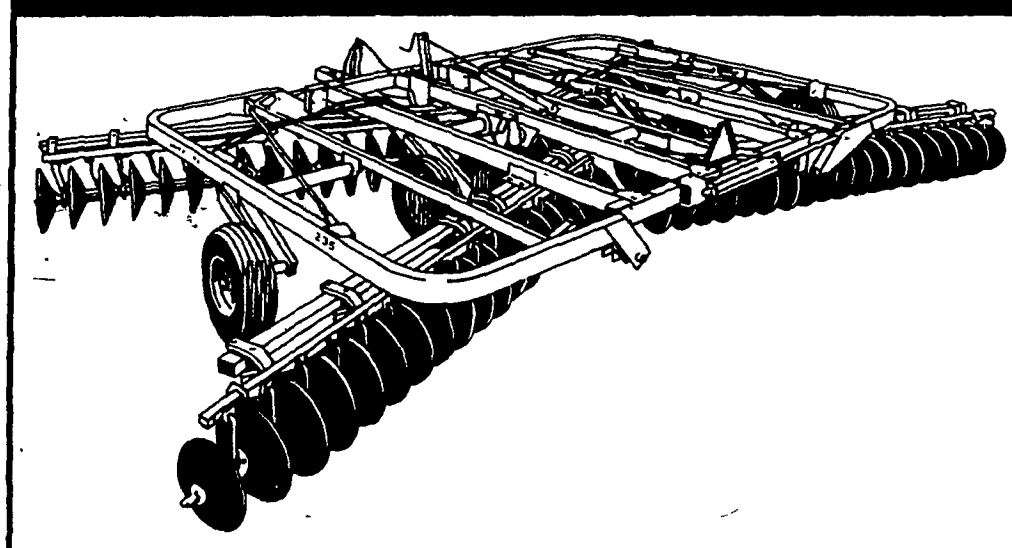
EXPERT REPAIRS

WINCO PTO GENERATORS

New 25 kw @ $1485
35 KW @ $2050
50 KW @ $3000
8 KW 2 bearing generators @ $775
12½ KW 2 bearing generators @ $925

Call in Penna.
717-282-2342 or
New York 607-798-8927

Make your best tillage tool deal with us; John Deere will make the deal even better



Here's a great reason to stop in and visit us now. Big savings on John Deere tillage tools.

Not only are we giving great preseason deals, but John Deere has a special discount offer. They'll knock 5 percent off the latest suggested retail price on the base machine. That's money off on top of any deal you can cut with us.

This discount is available through February on the entire line of John Deere tillage equipment—disks, moldboard plows, chisel plows, mulch tillers, seedbed equipment and subsoilers. Tillage tools with John Deere quality, now at a discount price.

Come in and see the features. Learn about the protection of the John Deere warranty and then let's deal. But hurry, 5 percent discount offer ends February 28, 1983.

ABC GROFF SINCE 1890

110 S. Railroad Avenue, New Holland, PA 17557

STORE HOURS
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Parts 717-354-4191
Sales 717-354-4731
Service 717-354-8004

Lebanon Valley Implement Co., Inc.

MF Massey Ferguson — GEHL FARM EQUIPMENT

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- MASSEY FERGUSON - Tractors, Combines & Machinery
- GEHL - Grinder Mixers, Skid Loaders, Hay & Forage Equipment
- GLENCOE - Chisel Plows, Soil Savers & Soil Finishers
- KNIGHT - Manure Spreaders & Mixer Feeders
- MIDWEST - Buster Bars
- LITTLE GIANT - Elevators
- AMCO - Disc Harrows
- HAWK-BILT - Tank Spreaders
- BRADY - Chisel Plows & Stalk Busters
- CENTURY - Sprayers
- MORIDGE - Grain Dryers

SPECIAL PRICE
on
Model 275 Moridge Dryer, 275 Bu.
One Only $6,500

NEW MODEL GLENCOE
7 Tooth Soil Saver with long frame for more trash clearance
One Only $5,975

KNIGHT WEBB SPREADER
Model 252 w/gratz chain and 250 Bu. capacity includes hyd. endgate
One Only $4,695

KNIGHT WEBB SPREADER
Model 350 Soup-er-Solid gratz webb chain, lower beater, hyd. endgate & tandem axles.
One Only $7,195

HAWK-BILT TANK SPREADER
Model 2155, 152 Cu. Ft. capacity hyd. lid opener
One Only $4,595

LITTLE GIANT 34 FT.
Corn & Bale Elevator, includes motor mount, bottom hopper & used tires.
One Only $2,150

CENTURY SPRAYER
500 Gal. Trailer Sprayer includes 42 ft. boom, hyd. centrifugal pump & tank agitator
One Only $3,250

SPECIAL GEHL
Forage Box, Model 960, 16 Ft. w/roof & 3rd beater on Gehl Model 1056 tandem axle, 12 ton, running gear includes new 8 ply 11Lx15 tires & tubes.
No Trade Price $7,100

USED EQUIPMENT SPECIALS

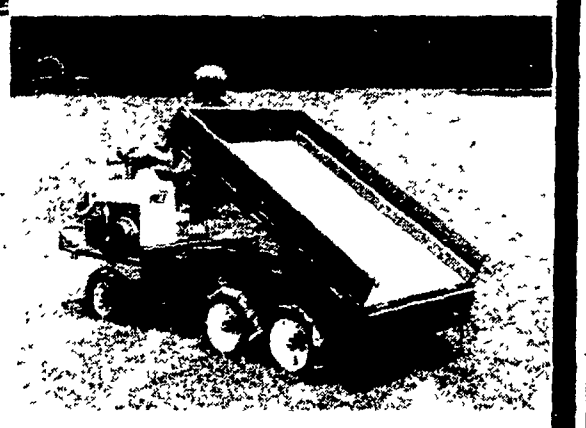
TRACTORS & LOADERS	SALE PRICE
MF 2705 Tractor, 120 HP Diesel, 24 speed multi power trans. w/cab and air cond., 1978, 1,275 hrs.	$23,800.00
MF 285 Tractor, 81 HP Diesel, 12 speed multipower trans., 1978, 850 hrs.	$15,500.00
MF 275 Tractor, 67 H.P. Diesel, 8 speed Trans., 1976, 1625 hrs.	$10,900.00
MF 30B Industrial Tractor and loader, 45 HP Diesel w/cab and instant reverse trans., 1978, 2,500 hrs., new paint and tires.	$13,500.00
Ford 8600 Tractor, 105 HP Diesel w/dual power trans., like new, 18.4x38 radial tires, 1,225 hrs (1976 new style)	$12,500.00
COMBINE	
MF 510 Diesel w/cab, 12 ft grain table w/pick up reel and 4 row 36" to 40" cornhead non-quick attach.	$8,500.00
GRINDER MIXERS	
Gehl MX 115, 115 bushel, good condition.	$2,375.00
Gehl, MX 120, hyd. drive, 120 bushel, good condition	$2,975.00
FORAGE HARVESTER	
Gehl CB 800 harvester, 8 knives w/hyd knife sharpener	$5,800.00
FORAGE WAGONS	
Gehl 920, 16 ft. w/3rd beater and roof includes 10 ton running gear	$3,500.00
EZ forage box 16 ft. w/3rd beater and roof, 10 ton running gear	$2,950.00
Grove 16 ft w/3rd beater and 8 ton gear	$1,000.00
SKID LOADER	
Mustang 310, 16 HP, 1979	$3,900.00
MISCELLANEOUS	
Used Brady 630 chopper windrower, good condition	$3,800.00
Used MF 33 grain drill 17 hole w/grass and fertilizer good condition	$1,800.00
Little Giant corn drag	$600.00

LEBANON VALLEY IMPLEMENT CO., INC.

700 E. Linden St. Richland, PA 17087
(717) 866-7518

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

Introducing...The Incredible WU



This fuel efficient vehicle will operate a normal 8 hour work day on approximately 2 gallons of gas. Capable of hauling a one ton payload with ease, the powercart goes where your pickup truck or large farm tractor can't. Four wheel drive and hydraulic dump bed are standard equipment.

For additional information and dealership inquiries contact:

WU Agricultural Power Equip., Inc.
Dept. LF
266 E. Paletown Road
Quakertown, PA 18951
Phone 215-536-0660

AVCO NEW IDEA

C.J. WONSIDLER BROS.

ALLIS-CHALMERS AGRICULTURAL EQUIPMENT

SPERRY NEW HOLLAND

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Sat. 7:30 A.M. 12:30 P.M.

Everyone at C.J. Wonsidler Bros. Wishes You A

VERY BLESSED CHRISTMAS

'TIS THE SEASON TO BE BUYING FA LA LA LA...

TRACTORS

JD 3020 D
JD 2010 G
JD 60 w/237 2-row picker
JD 60
Farmall 656 D
Farmall 560 D
Farmall 400
Farmall 460 D
Farmall H
MF 1105D w/cab
MF 1100 D
MF 180 D w/loader
MF 180 D
MF 165 D
MF 50 D
MF 50
MF 30 w/loader
White 2-50 D
Oliver 550
Oliver 55 D
Ford 800
Ford 8N
MM G1000 D
Case 630 w/loader
Case 300
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 7000 D w/cab
AC 190XT D w/cab
AC 185 D
AC 175 D
AC 5040 D
AC D19
AC WD45
AC WD

MANURE SPREADERS

NH 676, 285 BU.
NH 175 BU.
NI 218, 325 BU.
NI 214, 206 BU.
(2) NI 213, 176 BU
Badger 180 BU.
Weaverline 224 Electric Feed Cart, 30 Bu.
Weaverline 223 Electric Feed Cart, 24 BU.
Moridge 400 Grain Dryer, PTO, A-1
NH 354 Mixer-Grinder, EXCEL.

COMBINES

JD 8820 w/950 hrs., cab, air & heat, 15' floating grain, 830 corn heads, like NEW!
JD 55 Super w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head
NH 975 w/11' grain & 238 corn heads
MF 300 w/11' grain & 238 corn heads
MF 82 w/grain & corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
NI 767 Chopper w/702 2-Row Corn Head & 761 Pick Up Head
Gleaner N5 w/15' floating grain & 630 corn heads.
Gleaner L2 w/15' grain & 630 corn heads
Gleaner MKS w/13' grain & 630 corn heads.
Gleaner F2 w/15' Grain & 4 row corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
(3) Gleaner E w/cab & both heads

"END OF THE YEAR SPECIALS"

	List	CASH
NH 0D200 Disc-10' w/26" Blades	$11,500.00	$8,550.00
NH 0D200 Disc-12' w/26' Blades	$12,500.00	$9,550.00
Meyers Snow Plows - 84" to 120"		

"QUALITY LATE MODEL FARM EQUIPMENT"

COMBINES

1979 JD 4400 Diesel, cab and air, 700 hrs., like new
1975 JD 6600 Dsl., Cab, AC, Very Good, Choice of Heads
1975 JD 3300 Dsl., Cab, Air, Very Good, Choice of Platforms
JD 45 Square Back w/Cab & Grain Platform & 2 Row C.H.
1973 JD 4400 Dsl. Cab & Air Choice of Heads
MF 510 Dsl. w/cab, Very Good, Choice of Heads
MF 35 w/8 ft. platform, Sharp.
IH 82 Pull Type w/ PU Reel
Ford 620 w/Grain Platform, Pickup Reel, Used Very Little

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

TRACTORS

1975 JD 4430 Dsl. Cab & Air, Very Nice
JD 4320 Roll Guard Cub
JD 4620 Dsl. w/cab 2900 hrs.
JD 4020 Dsl. WF w/dual hydraulics
JD 4020 D WF & Power Shift
JD 4020 Side Console
JD 4010 Dsl., Very Good
JD 3020 D WF, Very Good
JD 3020 Dsl. WF Side Console, Very Good
JD 2940 900 hrs. Like New
JD 2640 Dsl. Fully Equipped
JD 2520 Dsl. WFE
IH 1066 Dsl. w/Cab & Air
IH 1456 Dsl. WF
IH 1206 Dsl. w/Cab
IH 1066 Dsl. Very Good
IH 656 Dsl. Hydro
Oliver 1850 Dsl. WF
White 2-105 w/Cab & Air
Ford 4000 8 Speed
Ford 8600 Dsl. WF 20x38 Rubber
Ford 5000 Dsl. 8 Speed w/all Weather Cab
Case 1070 Dsl. Cab and Air 930 Hrs.
Case 730 Gas WF
AC 180D, WFE
AC 200 Dsl. WF & Cab
AC 220 Dsl. WF & Cab
AC 7000 Diesel w/Cab & Air

BALERS

JD 346 Twine w/Thrower
NH 278 w/Thrower, Like New
NH 268 w/Thrower
IH 2400 Round Baler, Like New
JD 336 Twine, Like New
JD 336 Wire

DISCS

AC 16' Wing Fold
JD 11'2" & 14' AW Disc
JD BWA 12'6"
JD 18' BW Wing Fold
Sunflower 13' Hyd. center fold, very good
JD 11' RWA Transport
JD BWF 16' to 19' wing Rock-Flex
IH 350 12'

HEAVY DUTY DISCS

IHC 760 12' Offset, excellent
JD 1630 12' very good cond.
JD 4000 Double Offset 12' 8"
Bush Hog 1437 Plowing Disc 11' 4"

CORN HEADS

MF 24, 44
AC F430
AC KF330, A330
JD 453 & 454 Row Crop Hds.
JD 243, 244, 343, 443, 444, 643
IHC 843

CORN PLANTERS

JD 7000 Consv. 6R dry fert., auger fill, insect., pop. mon.
JD 7000 min-till 6 R dry Fert., insect., monitor
JD 1240 4R plate and plateless, insect, runner and disc opener w/dry or liquid fert.
JD 1250 6R plateless, insect. w/wo fert.
IH 56 4R dry fert., insect., excellent
JD 7000 consv. 4R, dry fert., monitor, insect.
JD 7000 4R wide & narrow, dry and liquid fert., insect., and monitor.
IH 400 4R hyd. drive, dry fert., insect.
JD 246 2R w/insect.
JD 1440 4R no-till plateless, liquid or dry fert. and insect.

PLOWS -SEMI-MOUNTED

JD 1450 5x16, 4x18, 5x18
JD F145 4 & 5x16
IH 550 5x16 & 5x16 Slat Btm., Like New
IH 510 4x16
IH 720 Toggle 5x20, Like New
IH 710 6x16 on Land Hitch

PLOWS -AUTOMATIC

IH 710 & 720 5x16 SP Reset
IH 710 6x16 SP Reset
IH 710 5x18 SP Reset
Oliver 6x16
JD 2500 6x18 SP Reset
JD 2500 5x18 on Land Hitch
IH 710 7x18 on Land Hitch SP Reset
IH 700 6x16 SP Reset
IH 6 Base 735 Variable Width SP Reset

GRINDER-MIXER

Gehl 115
Gehl 95, Like New
John Deere 7 SOLD

MISCELLANEOUS EQUIPMENT

JD 8250 Grain Drill, 21 Openers, Fert. and Grass Seed
JD 1207 & 1209 Mower Conditioners, like new
IHC 12' Pull Type Chisel Plow
Brillion Alfalfa Seeder, 8'
IH Field Cultivator 12'
NH 488 Haybine, like new
NH 479 Haybines
JD 146 Loader, Indep. Control Valves
JD 894 Rake, Rubber Mtd. Teeth
IH 18.38 & 20.38 Rr. Axle Duals
Grim Super 16 Hay Tedder
Neimeyer Power Harrow
Cabs for JD Tractors 3010 thru 4320
JD 12' Roller Harrow
IH #50 Stalk Shredder
JD 300 Husker w/2 or 3R Head, Very Good
NI 319 2 Row Mtd. w/12 Roll Husking Bed, Very Good
Gehl 72 Flail Chopper, Very Good
Nicholson Hay Tedder
Field Cultivator, Hydraulic Fold 18 ft.
NI Picker Sheller 2 Row Wide and Narrow

GUNTHER HEUSSMAN INC.
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FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

g-Industrial Equip. Co.

ALLIS-CHALMERS · SPERRY NEW HOLLAND · KUBOTA · AVCO NEW IDEA · Bullion · bobcat

OUR ANNUAL WINTER AUCTION WILL BE HELD FEBRUARY 23 WATCH FOR FULL LISTING.

TRACTORS
AC C
AC 7580 Cab and Air
AC 6060 2 Wheel Dr.
AC 5040
AC 5050
AC 7010 Cab and Air
JD 2840 w/loader
Ford 4500 w/loader
Case D 580 Loader
MF 202 wheel loader w/loader & Mower
Kubota B7100 w/loader & bucket

BALERS
NH 268 w/thrower
NH 273 w/54A Thrower
NH 282 w/thrower
NH 283 w/62 Thrower
NH 315 w/58 Thrower
NH 320 w/70 Thrower
JD 346T

COMBINES
NH TR 70 w/Flexhead 6 R Cornhead
NH 995 w/Grain Head & Corn Head
JD 105 w/444 C.H. and G.H.
JD 55 w/12' Grain Head
AC CII
AC F330 Corn Head

MANURE SPREADERS
(2) NH 365 Tank
NH 362 Tank
NH 214 SOLD
NI 214
Hawk Bilt 207

HARVESTERS
NH 1895 SP w/3 Row narrow head and windrow pickup
NH 880 w/2R W and 1R pickup
NH 717 w/1R head
NH 770 w/717 R2 and 1R pickup
NH 1880 SP Cat. Dsl. w/2 new style heads, 3Rn and Windrow pickup
JD 3960 w/2R head and Windrow pickup

MOWERS
FMC 10'
NH 451 Sickle Bar
JD 25A Flail
(3) NH 462 Disc

CORN PLANTERS
White 6R no-till air
IHC 8 R Cyclo
IHC 4R Cyclo
IHC 6 R No-Til
JD 1440 No-Til
AC 4R no-til w/gran. fert.
AC 6R no-til air w/gran. fert.
AC 4R no-til w/liquid fert.
AC 700 6 Row

MOWER CONDITIONERS
(2) (3) NH 469
(3) NH 479
NH 490
NH 467
NH 499 SOLD
NI 299 Mow/ditioner
(2) NI 279 cut/ditioner
NH 1495 D Hydro 12' SP
Hesston 6720 windrower

WAGONS
NH 1000 Bale
NH 1010 Bale
NH #8

RAKES
(2) NH 260 NI Bar
(2) NH 256 V Tandem Hitch
NH 258 IH 35

SKID LOADERS
NH L 775 gas
NH L778 diesel
NH 445 w/Deutz Diesel

CORN PICKERS
NI 323 1 Row Picker
NI 324 Super Sheller
NI 324 Corn Picker 2 Row

MISCELLANEOUS
JD Stalk Shredder w/stack mover SOLD
Little Giant 32' Elevator
AC 2300 Disc
NH 358 Grinder Mixer
Rhino 7' Scraper Blade
Tandem Axle Sprayer
Brady stalk shredder
Hesston Stakhand #10

Large Parts Inventory and Modern Shop Facilities with Factory trained Specialists to serve You Better.

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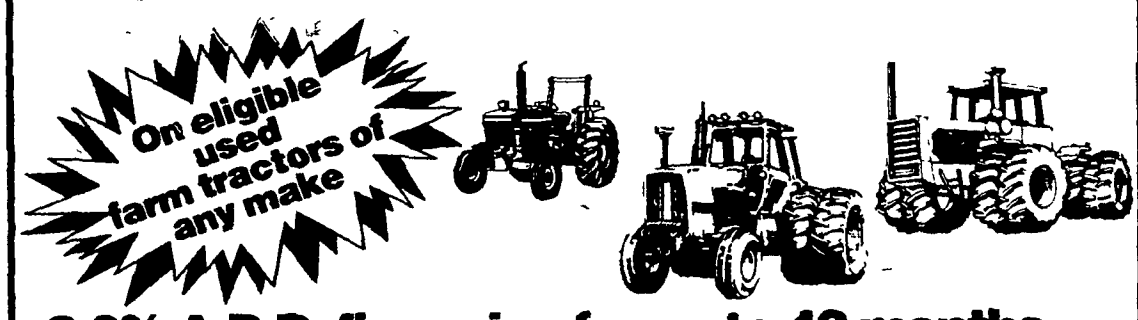


8.8% A.P.R. financing for up to 42 months . . . or waiver-of-finance-charges until June 1, 1983.

If you buy one of our eligible used farm tractors, any make, between December 1 and December 31, 1982, you can choose 8.8% A P R. financing for up to 42 months or an optional waiver-of-finance-charges from date of purchase until June 1, 1983 Purchase must be financed through J I Case Credit Corporation.

All offers valid December 1 thru December 31, 1982.

USED EQUIPMENT

TRACTORS
'79 Case 1210 p.s.
AC 7080 Cab-Air-Heat
Case 1070 18.4x38 (New) Power Shift
Case 1370 Cab-Air-Heat 24.5x32 Radio
Case 1090 18.4x38 (New) Power Shift
Case 1170 Cab-Heat-8 5 Spd. 20.8x38 (New)
Case 900 w/Pulley

LOADERS
1530 Uni Loader
Uni Loader Broom
Mustang 330
1845 G
Case 580 Backhoe

NEW IDEA
206 Spreaders
325/314 Picker Sheller
323 Pickers
214 Spreader
224 Spreader
325/327 Corn Picker

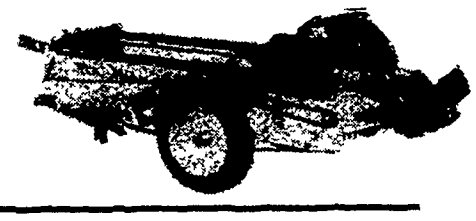
MISCELLANEOUS
Ford 101 Plow
NH Lime Drill
Case 12' Disc Harrow
NH 371 Flail Spreader
Case Auger Elevator
MF 880 6, 7Btm, plow
Wetmore 878 Grinder Mixer
Case 555 Mower Conditioner
Bush Hog 12' disc
JD 345 4Btm plow
IH 40 Stalk shredder

FORAGE
JD 65 Blower
Stauffer Forage Box
Fox HA Harvester
Gehl 910 Forage Box
JD 3800 Harvester
NH 27 Blower
Hesston Blower
JD 115 Forage Box
IH 110 Forage Box
Gehl 99 Blower

UNI-SYSTEM
702 G Power Unit
702 D Power Unit
710 Combine
743 N Head
767 Harvester
738 4RN Head

DEMO SPECIAL
Martin 1263 Scavenger $6300

206 GROUND DRIVE SPREADERS IN STOCK



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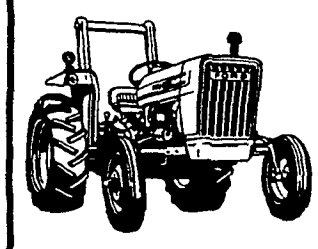
NEW HOLLAND

BROOKS FORD TRACTOR, INC.

Ford Tractors Equipment

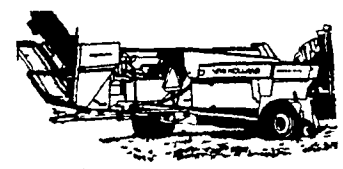
FORD CLEARANCE SPECIALS



(While They Last)
1981 FORD 3600 (40 H.P.) No Trade $10,200

NEW HOLLAND SPECIALS

Lease Returns (1) 513 Spreader 2 Beater $3,500



Lease Return 519 Spreader 2 Beater $4,000

Model L35 Skid Steer Loader $12,500

L425 Skid Steer Loader $9,900

315 Baler w/thrower $8,500
329 Box Spreader $2,750
303 Injector $2,500

GOOD USED EQUIPMENT

Mower Conditioner..... NH 460
Mower Conditioner..... NH 469
Mower Conditioner..... NH 479
Mower Conditioner..... JD 800
Mower Conditioner..... NH 488
Flail Chopper..... N.H. 33
Blower..... Gehl
Forage Harvester..... NH 707
Tank Spreader..... Hawk Bilt
Box Spreader..... IH
Box Spreader..... JD
Tractor..... JD 40
Tractor..... Massey Harris 33
Hay Tedder..... Grimm

BROOKS FORD TRACTOR, INC.

West College Avenue
Pleasant Gap, PA 16823
PH: 814-359-2751

Jake, you were right!
BINKLEY & HURST BROS. CASH & CARRY DAYS SALE is fantastic - unbelievable savings!

I told you, Luke! Wasn't it worth waiting for?! You'd better check their flyer again... you know this sale is good through December 24th!

BINKLEY & HURST BROS. INC.

133 Rothsville Station Rd., Lititz, PA 17543
PH: 717-626-4705
Hours: Daily 7 AM to 5 PM; Sat. 7 AM to 11:30 AM

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

NEW & USED EQUIPMENT SPECIALS!

New Artsway Forage Box w/3 Beater, 2 Roof & 10 Ton Running Gear $5,195	New 8C Hydra-Mac Skid Steer Loader w/2 Buckets $4,995
New Model 230 McCurdy Gravity Bins $585	New 300 Gal. Century Field Sprayer w/Cent. Pump & Row Boons $2,395

★ **BEHLEN CORN CRIBS** ★

EXL-15 Corn Crib (1 SOLD) $1,120
FXL.-15 Corn Crib (961 Bu.) ..... (1 Left) $860

USED HAY EQUIPMENT

2- PT-10 Hesston Haybines
2- 990 Int. Haybines
1 - 1209 JD Haybine
1 - 461 N.H. Haybine
1 - 279 - 9 ft. N.I. Cutditioner
1 - Vicon (5 Wheel) Wheel Rake
1 - 268 N.H. Baler w/Thrower
1 - #37 Int. Baler w/Thrower
1 - 8x16 Oak Hay Wagon

USED FORAGE

2 - 38 J.D. Harvesters w/Corn &Pickup Head
1 - 16 I.H. Harvester w/1 Row Head
1 - N H #25 Forage Blower
1 N H #27 Forage Blower

TILLAGE

IH 710 (18 ') Auto. 5 Bottom Plow
11 J.D. KBA Disc Harrow
10' Ford Disc Harrow

USED CORN PICKERS

N I. 323 Corn Picker
N.I. 324 (2 Row Wide) Picker w/12 Roll Bed
N.I. 319 & 322 Mounted Picker

USED COMBINE & CORN HEADS

Gleaner FKS 2 Hyd. Combine w/13 ft Header
Gleaner KKS Combine w/10 ft HDR & 238 Corn Head
Gleaner C Combine w/440 Corn Head
IH 315 Combine w/13' HDR & 2 Row Corn Head
MH 82 SP Combine w/12 ft. HDR
2- MF QT24 Corn Heads (2 Row)

USED UNI EQUIPMENT

(Will Put Together Any Combination)
1 702 Diesel Uni Tractor
2 702 Gas Uni Tractors
1 706D (Diesel) Uni Tractor
1 702 Gas Uni Tractor (No Cab)
2 717 Uni Combines
2 713S Corn Heads
1 770 Ear Corn Apt
1 710 Uni Combine
1 711 Uni Grain Head
1 767 Uni Super Chopper
1 738 (4 Row Narrow) Corn Head
1 844N Corn Head
2 766 Pickups
1 723 (2 Row) Head
1 729 Sheller

USED TRACTORS

A C 7020 P S w/Cab & Air & Wgts
A C 7000 w/Cab & Air & Rear Wgts
A C 185 w/Wgts
A C 180 w/Wgts
A C 5050 (300 Hr)

NEW TRACTORS

A C 7060 w/Cab & Air & Wgts
A C 6080 w/Wgts
A C 6060 w/Wgts

ITCO
Dealer for ITCO Corp
• Over 9,000 items
At Discount Prices

AVCO NEW IDEA
ALLIS CHALMERS
SPERRY NEW HOLLAND

SHARTLESVILLE FARM SERVICE

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

(Combines, Tractors and Equipment on our Lot.

(Combines) Used 1980 New Holland TR 70 w/cat engine, like new with grain and 6 row C.H. Excel; Used 1980 JD 8820 fully eq. w/843 corn head real nice. 1981 JD 6620 turbo Hydro, 200 hrs., like new. 1977 JD 4400 Dsl. CA real nice like new; JD 8820 fully eq. w/4 whl drive and dual wheels used 450 hrs. like new for $68,500. New JD 4420 fully equipt. 443 C.H. 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn, Gleaner N5 fully eq. w/15 ft. grain and 6-30 C.H. 1977 Gleaner L2 hydro w/6 row C.H. 1976 Gleaner FD w/air and both heads (1 local owner); 1976 Gleaner KKS cab & air w/grain $12,500, 1976 Int. 915 grain head $19,900, 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head $8750. MF 510D w/cab, Quick Tach grain for $6950.

1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head for $24,500, JD 6600 D w/air & 13 Ft. grain.

1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.

Used JD 213 and 215 flex heads.

Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 4 row 38" C.H. 1972 Gleaner F w/grain & C.H. NI 702D w/cab $6200. NI 702 w/729 A sheller.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard, Ford 4000D w/1400 hrs. excl.

New John Deeres 4040 w/Power Shift and R.G. for $23,950, New JD 4240 cab & air Q.R. for $30,000, (6) real nice balers, JD 336 w/thrower, NH 320 w/thrower, used 1 season. NH 315 w/thrower, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Built round baler.

Corn Heads JD 643, 444, 843, 343, 443, 435N, 313 for 45C, 334, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, F438, K238, F335, F330, M430, K330, Int. 863, 864, 843, 743, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444 $7350, New JD 643 $12,500, used White 706N C.H.

New Int. 5088 fully eq. new Farmall 1586 w/radial tires and triple outlet for $29,500, Farmall 706 gas, 806 diesel w/cab original-Nice. 1206 real nice, new JD 4440 C.A. Quad w/radial tires, used JD 4230 w/R.G. and creeper gear, 2640 (SOLD), 2530, 1966-4020, 3020D WF and Diff lock. We have 5 JD 4020 side console diesels. JD 2440 w/R.G. 2840 for $11,600, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged, give us an offer, 1972 JD 4020D, WF.

TRACTORS AND EQUIP. REC. THIS WEEK. JD 4640 power shift fully eq. w/300 hrs., like new for $33,800.; Farmall 1086 w/front wheel drive used 800 hrs., JD 4630 P.S. w/front wheel drive, Oliver 2255 w/cab, Case 1210, Farmall 826D nice original, New NI 324 picker w/super sheller list $15,390. Special $8,475. New NI 325 picker w/super sheller, new NI 404 wheel rake; NI 2100 (Demo) liquid manure spreader list $11,300 Special $6450. Farmall 706 w/310 German D w/cab, MF 1105 w/cab and air. Farmall 656 hydro D. w/cab, 400 w/P.S. (SOLD) and F.H. Farmall 1456 original; Int. 544 utility hydro D w/2000 loader, JD 8630 fully eq. w/duals; JD 4020 D.W.F. Power Shift, JD 2520D, David Brown 885, MF 1135 w/R.G. and dual wheels, MF 285 D. Int. 656 utility Hydro D. D.B. 1200. NH 890 2 row snapper head. JD narrow 30" 2 row crop head, like new. Used N.H. 354 Grinder Mixer, like new.

NI 325 pickup w/12 roll bed used 4 yrs.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4320, JD 4010D, 1 owner original, Farmall used 986 cab and air, 1566 cab and air w/new T.A., Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

Int. 3588 - 2 + 2 w/dual wheels, used 530 hrs. like new for $29,500; JD 4020 W.F. power shift, good tires $7700; Case 1070 P.S. $6975; JD 4020D. W.F. D.L. Dual hydraulic & cab, JD4010 D. W.F. JD 4010 Tri D, Farmall 766, 706 w/310 German D. 1 owner original, real good. Oliver 1850D, Case 930 Standard, 460D w/F.H. New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, (Summer Specials) New JD 4440 Sound guard body QR $34,800. Deutz 9006, Farmall 1086 cab needs-repair come look and make offer.

CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear, New Int. 2250 loader

CORN PICKERS - Used (2) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H. Used NI 323, #10.

J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, JD 4430 w/sound guard, cab and Q.R. for $15,500.00, JD 4320 w/cab.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856D nice, Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop- 656 diesel, 756, Cub Cadets 1650, 1450, JD 210, 200, 112, Farmall cub w/mowers.

HARVESTERS. Used JD 3960 w/long tongue and elec controls real nice for $7250, N.H. 770 w/2 row, Used Int. 720 - 2 row, for $4650. NH Super 717 1 row, J.D. 38 Chopper w/2 row, Fox 2 row snapper head. NH 770 1 row snapper C.H. Gehl 600 w/2" 30" & pickup head.

Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800.

ALLIS CHALMERS New 7010 - AC 200 w/factory cab, AC 185 w/R.G. w/600 hrs. for $9400. AC 185 w/turbo for $8000; 7080 w/cab & duals (SOLD) $18,800, 7040 w/cab, power shift like new, low hrs., 210 w/new 20.8x38 tires, AC 7000 P.S. w/R.G., 180D, D 5 (SOLD) gas; AC H3 Crawler w/blade and winch.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900. New JD 4440 cab, air Quad, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, JD 4030 w/R.G. and Quad. JD 60 w/P.S. JD. A. JD 70 w/P.S. & 3 pt.

FARMALLS: 1586 w/cab, w/800 hrs., fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new, 20x38 tires for $19,500, 686 Dsl. w/1600 hrs., 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. 756 WF 3 pt. (SOLD) original, 656 Hydro D. WF 3 pt. original.

Int. W9 gas w/pulley.

New White 2-105 w/cab $22,850. 2255 w/V-8 cat and new over and under shift.

MASSEY FERGUSON - 2805 24 spd. w/duals real nice, 1130, MF 180D. 1971 MF 1100 w/cab real nice, MF 1130 for $6250 w/Super 90 diesel, MF 65 gas w/hydr. side mower.

Look at these tractor prices.

(Case) New 2090 Cab & Air, power shift 1030D for $5700. Case 1210 at $4950. Case D.B. 1200 for $3900. Oliver 1950T w/cab, 2050, 1855 w/20:8 tires 1800, 1850 w/cab, 1550 gas, 1855 w/dual wheels, Oliver 550 w/loader, Long 560D (SOLD) w/loader, Ford 6000 Commander, D, Ford 5000D real nice, Ford 3000D, 52 Ford 8N Original excel. Ford 5000 Dsl. w/dual power, real nice, MM Vista 1000 w/cab and loader, MM S670 diesel.

1970 JD 4020 side console w/dual hydraulic (local owner) JD 2510 gas, Long 350D w/mtd. broom; Int. 460 utility w/loader.

N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads.

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 933 crawler loader, Case 850 D dozer w/hydrl. blade, Skid Loaders - Bobcat Hydro 700. Ford CL40 Skid Loader.

Ford 4000 gas loader and backhoe.

Int. 3400D. L&B Howard 3 pt. backhoe, Long 1199A-3 pt. Backhoe like new $3850.

TRACTORS W/LOADERS - JD 4020 W.F. w/58L, JD 2020 w/47L, Int. 544 utility w/2000L, Int. 340 utility gas w/L, Int. 350 utility gas w/L, MF 202 Ind. w/L, Oliver 550 gas w/White 1510 L, Case 530 w/L.

Mechanics Special JD 4020 gas, power shift $3950.00.

Case 1030 Needs Trans. Work. Case 1410, Farmall 460D w/F.H.

PLANTERS Used JD 6 row Conservation, fully eq. real nice. New 7000 JD 4 row w/Inst., fert. & monitor $6950, used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor for $6850.00, Used Case 13 ft. Disc w/new blades and dual wheels. (New Haybines,) Gehl 1090 9 ft. for $4800; (used haybines), MC 7' rotary scythe, JD 1209.

New Holland 354 Gr. Mixer; Used John Deere 300 Husker.

MF #246 Quick tach loader Like New, Holland #1500 3 row transplanter used 1 acre, used JD 444 corn heads from $2450, and up.

Cabs for JD and Int. Tractors. Used Int. rollguards. New Int. #4500-16½ ft. field cult.

Glenco 12 ft. 9" Soil Finisher like new.

New JD 8300 grain drills 21x7 double disk, Used Int. #510-18x7 D.D., Used Int's #10 18+7, Farmall 560 w/Int. 234 mtd. picker, $3775.00.

Planters - Oliver Planter 6 row w/no til fert. fill, inst. AC 4 row no til w/dry or liquid fert., Woods 120 offset cutter. NH pick- up heads for 770, 717, Miller 12 ft. offset disk, (JD 215 disk 13'9" Demo Like new, Athens 10 ft. rock disk) JD Disks #210. Int. #480-22 ft. Wing Disk, Badger 1500 gal. liquid tank spreader, New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - 2 NI 214 nice, JD 54 - good, NH 518 - nice.

PLOWS - Int. #720 5x18 reset like new, Ford 3x18 sp. reset, JD 2500 6x sp. reset, JD 5x hyd. White 4X spring reset, 3 rollover plows - Int. #140 - 4x18, Oliver 4x16 rollover plows, New Brillion 21' hyd. fold packer, Used Brillion 15 ft. cultimulchers, Chisel Plows, Int. 13 ft. 3 pt. and w/gauge wheels, JD 11 ft. pull type Athens 7 and 10 ft. 3 pt., new Int. #80 snow blower; New Johnson loader.

Flail chopper, New Holland 38, Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550, Rakes NH 256, used NI 404 whl. rake.

Bargain corner Haybines - 2 New Idea 9 ft., 2 Hesston PT 10.

Owatonna 200 haybine, NI 279 cut-ditioner; NH 469 Haybine; NH 269 Baler w/thrower; Starline tank spreader, Hawk Built tank spreader, Bearcat Gr. Mixer, Helix Gr. Mixer; Int. #50 4 row stalk shredder; Woods 4 row stalk shredder, Int. 400 4 row, air planter for $975.00, White 5400 4 row no til, JD 1240 plateless, 8 JD 1250 and 1300 six row planters for $700 to $1450, Int. 400 6 row air planter for $1450.

Used JD 400 15 ft. rotary hoes, New White. 14 ft. field cult., Kawanee 22 ft. Wing Disk, JD 220 Hydraulic fold disk, Int. #510 24x7 DD grain drill-nice.

Loaders - used JD 58 MF loader for 1105 Int. 2000 Loader, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

(Combines for Parts) MF 510.

TRUCKS - 1979 Chev. C65 24 ft. rollback w/61,000 miles, like new, KW truck tractor fully eq. looks like new, Delta 44 ft. combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new (New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, (20) sets of dual wheels all sizes.

JD front & rear weights, IH front and rear weights.

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STITZEL FARM EQ. INC.

East Windsor St.
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Hamburg, Pa. 19526
Phone Bus. 215-562-8377
home 215-562-7451

LONG WENGER'S INC.

OVER 200 TRACTORS SOLD THIS YEAR

251 SOUTH RACE STREET
MYERSTOWN, PA 17067

DAYS: 717-866-2135

PHONE:
NIGHTS: 717-866-7147

OR: 717-273-9089

TRACTORS

FARMALL TRACTORS

1086 ROPS - Nice $11,900
100 Hydro w/Rops $7650
H $650
444 Utility - Nice $3950
656D $5950
M - Live Hyd $1450
464 w/Loader 800 Hours . . . $7950
806 Diesel - Good $4950
1206 Diesel - Nice $6950
340 Utility - Nice $2950

JOHN DEERE

60 w/NI Mounted Picker . . . $3000
4430 Cab - Air - Syncro . . . $15,900
4520 - Nice $8900
4320 ROPS - WTS $11,900
4320 . . . . . $10,900
5010 . . . . . $6300
820 - 2 Cylinder $3000
3020 Powershift $5975
4020 - Side Console $8900
A - New Paint $850
4020 Diesel - Good $6950
720 Diesel - WF - 3 Pt $3500

CASE

1370 - 20.8x38's $8900
1070 Cab - PS $6900
830 CK $3100
VAC - Nice $1250
580 CK w/Loader & 3 pt. . . . $5900
1030 w/Cab $5900

LONG

310 - New $5900
310C - New $5900
560 4 WD $4950
610 4 WD - New $11,500
560 4 WD $3300
550 . . . . . $2800

MASSEY FERGUSON TRACTORS

1105 . . . . . $7900
175D $5700
1130 . . . . . $6500
180 - Gas $4850
85D $3950
40 w/Sickle Mower & Cab - Nice $5950
44 Gas $695
50 Gas - Utility - PS - Nice . . $3500
165D $4950

ALLIS CHALMERS

D21 w/Cab - Nice $7500
220 . . . . . $8500
(2) G w/Asst. Tools $1500 to $2000

OLIVER

1855 - Cab - 1700 Hrs. $9800
1650 - Nice $4950
1855 w/Cab $5900

FORD

6600 - Nice $8900
5600 - 1977 Model $7900
2000 w/Mower - Nice $3900
NAA $2500
8N w/Clock $1675
600 w/Loader - Nice $3500
8000 . . . . . $4900
8600 - DP $8950
6000 - Diesel $2950

TRACTORS - MECHANICS SPECIALS

Farmall 806D $3950
(2) Farmall 706 . . . . . $3450
JD 4020D $5250
Oliver 1750 . . . . . $3500
AC WD45 w/2X Picker $2350
MF 180D $2800

"9" 4 WHEEL DRIVE TRACTORS
From 50 HP to 225 HP

MF 1805 - Cab - Air - 3 pt PTO - Duals - Nice $19,500
Ford County 6 - 3 Pt PTO . . . $5900
Case 2670 - Cab - Air - 3 Pt - PTO Duals $19,500
IH 4166 - Cab - Air - 3 pt - PTO - Nice $12,500
Long 610 - New - Rollbar . . $11,500
Long 560 - 3 pt & PTO - Spider $4950
Long 560 - 3 pt & PTO $3300
Ford Major 4WD $3950
4WD Unit to Fit IH $1200
(2) 4WD Unit to Fit Oliver . . . . . Each $2500
Case 1200 - 3 pt - PTO Cab $7900

BEST PRICES AROUND ON WAGON GEAR'S

ALL ON 15" RIMS

6 Ton - Standard $395
8 Ton - QL Tounge - 8" Rims $545
10 Ton - QL Tounge - 8" Rims $595
12 Ton - QL Tounge - 10" Rims $875
11 Ton Tandem - QL Tounge - 8" Rims $875

NEXT AUCTION
MONDAY DEC. 27th
9:30 A.M.

See Listing - Page D30

CONSTRUCTION EQUIPMENT

CRAWLER DOZERS

Cat D8 . . . . . $1500
JD 450 6 way As Is $4800

BACKHOES

Long 3 pt. Hoe-new $3900
Long 5 in 1 w/cab $15,900
3 Pt. Backhoe . . $2400
Case Hoe Attach . . . $700-$1700
JD 310 w/cab $12,500
JD 93 Hoe Attach $2900

MISC. CONSTRUCTION

(40) Used hoe buckets . . . From $150
(25) Loader buckets . . . . From $95
(30) Set forklift forks . . . . . From $300
(6) Winches . . . . . Call
Adams Grader . $1750
(2) Huber Maintainer $2500 & Up
Michigan 75 4WD Loader Diesel . $5900

TRAILERS

1969 Great Dane 35 ton detachable . . $14,750
New 2X 4 Ton . . $1350
New 3x6 Ton . . . $2000
New 3x5 Ton . . . $1750

CRAWLER LOADERS

Cat 941 . . . . . $14,900
Cat 933 . . . . . $7900
JD 350 . . . . . $6900
IH T6 . . . . . $2900
AC HD6 . . . . . $4900

TRUCK TRACTOR

1974 Ford Louisville Diesel $7450
1979 GMC Cab Over $17,900
1970 White . . $2950

CONSTRUCTION DUMPS

1974 IH Diesel w/9 Body Air Brakes . $10,900

COLLECTORS TRACTORS

- Fordson, Running w/New Rubber $1800
- Farmall "F20" w/Loader,, 1939, 1 Owner, Original $1000
- JD "L", Running, 1 Row $1000
- JD "H", Not Running, Hand Crank $850
- JD "A", Styled, Hand Start, Nice $850
- Oliver "70" w/Loader, Runs $875
- JD "A" Unstyled $3250
- JD "A" Unstyled $975
- Farmall 15-30 . . . . . $1975

FINANCING NOW AVAILABLE ON ALL ITEMS OVER $500

WINTER SPECIAL
Used Tire Chains

HARVESTERS

NH 890 - Nice
NH 717 & Super 717
JD 25-35
Fox & AC
1 Row to 3 Row Cornheads
Direct Cut Heads
Pickup Attachments
Fox Flail Head
Snapper Heads For:
NH Fox - JD

CORNPLANTERS

1 Row to 8 Row
JD-AC-IH-Ford

CULTIVATORS

1 Row to 4 Row
Lots of Makes And Models

SKID LOADERS

OMC 1200, 1976 . . . . . $3900
OMC 1700 Diesel $5900
Ford 340, 1973 $3200
Melroe 520 . . . $5900

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733-429-329-863-327
JD 643-443-434-334-313-335
AC 630-430-330
Oliver 703N-531-541
MF 63-43-33-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22-844
JD 434-334-234-210-205-10-344-244-444
AC 440-435-240-238
Oliver 544-531-522-512-
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

CORNSHELLERS

JD #6 . . . . . $1500
MM 1200 . . . $3800-$4500
JD 43 - 3 Pt $875
JD 43 Pull Type . $695

COMBINES

JD 7700 D - Fire Damage $7200
JD 4400 - Nice - Rotary Screen $13,700
JD 55 SB $5200
JD 45 SB w/2 Hds $5700
MF Super 35 . . . $4950
IH 82 Pull Type . $3500

GRINDER MIXERS

Gehl - Nice $3450
NH 354 - Nice . . $3850
NH 352 . . . . . $1500

HAYBINES

NH 479
(2) NI Cut ditioners

STACK MOVERS

Hesston 10W & 30
JD 200

CULTIMULCHERS

10'-12'-14'-16'

DRILLS

JD & IH
15 to 21 Disc

NEW DISC'S

3 Pt. - New & Used
Wheel Type From 8' to 24'
Offsets From 10' to 16'

CABS

New & Used $495 & Up
Tractors & Combine Rollbars . . . $200 & Up
Cab Coolers $500

NI UNI SYSTEMS

701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
710 Combine Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
717 Combine

NEW EQUIPMENT SPECIALS

6' 3 pt Scraper Blades $195
7' 3 pt Scraper Blades $250
8' 3 pt. Scraper Blades . $350 & $795
Landscape Boxes . . . . . $450& up
6'6" 3 pt Disc's . $500
Spike Harrows $500-$600
3 pt. Fert Seeders $350
Round Bale Feeders . . . $145
3 pt. Boom Poles $49
3 pt P.T.O. Wood Saws $495
3 pt. 9' P H Digger $450
165 Bu Gravity Boxes $465
210 Bu. Gravity Boxes $565
5' 3 pt. Rotary Mower $495

RAKES

MF-NH-JD

BALERS

NH - MF - IH

"NEW" 3 Pt.- PTO - WOODSAW 30" BLADE
ONLY $495.00

DUALS

New & Used All Sizes

ELEVATORS

32' to 40' - $695 & Up
NH Mow Conveyors
Belt Conveyors

PLOWS

1 Bottom to 7 Bottom
All Makes - Some Resets

LOG SKIDDERS

JD 440A $8950
Tree Farmer C7 $6950

WAGONS

6-8-10 11 12 Ton Gears . . . . $395 & Up
New Bale Bodies $495
New 16' Feeder Rack $595
Used 18' Feeder Rack & Gear . $595
Used Bale Body & Gear $595
Used Bin Wagons $695 & Up
Self Unloading Wagons $795 & Up

MISC. MACHINERY

Rotary Hoes
Lely 13' Roterra
4' to 10' Snow Plows
Post Hole Diggers
Lime Drills
Potato Plows
1X & 2X Potato Diggers
GT 270 Dryer
Mc 600 Dryer
(2) Gehl 72 Flail Choppers

MANURE SPREADERS

NH - NI - IH Single Axle . . . . . $395 & Up
NH Tandem Axle $2850

LOADERS

Good Asst.
All Used

FORKLIFTS

Towmotor . . . $2300
IH 350 . . . . . $2900
AC $3100
Towmotor . . . $5200
(2) Tow Motor $5300
(2) Ford $5900 & $3500

COME TO THE PEOPLE THAT DO BUSINESS

FARM EQUIPMENT FARM EQUIPMENT

USED EQUIPMENT

TRACTORS

JD 4240 w/cab, 400 hours
JD 3020G PS
JD 3020 w/cab
JD 4230 w/cab
IH 1086 w/cab 1180 hrs.
IH 460 Utility w/loader
MF 1080 Diesel
White 2-85 w/cab
MM 1050 (sell for parts)

COMBINES

1978 JD 6600 Sidehill
1979 JD 6620 Sidehill
JD 4 and 6 Row Corn Heads
1980 MF 760 338 hrs. w/2 heads
JD 45 w/2 heads

TILLAGE

JD 210 13' Disc
AC 3100 10' Offset Disc
JD 1450 4x16 Plow
JD 1450 5x16 Plow
JD 2700 7B On-Land Plow
JD 145 4x16 Plow
JD 145 5x16 Plow
AC 5x16 Semi Plow
JD 1600 10' Chisel Plow
Selection of Used Planters including Max-Emerge.

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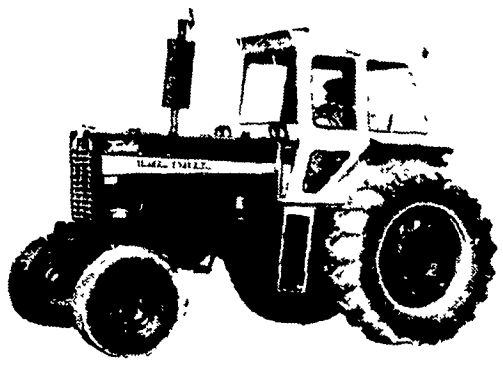

GUARANTEED QUALITY USED TRACTORS

JD 4430 cab & air quad range, 19/6 model sharp
IH 986 1979 model, cab & air, red seat, digital read out, stereo, 1127 hrs , very sharp
IH 686 diesel 1980, 560 hours fully equipped like new
IH 1466 red cab and air, new TA
IH 856 D, 1971 model, wide front 3 pt hitch 38 rubber low hr tractor, clean
IH 706 German diesel w/late 56 series shift 38 rubber, wide front, 3 pt
IH 1456 w/20 8x38 rubber good tractor
JD 4320 roll guard, 400 hrs on engine overhaul
IH 1206 turbo diesel fully equipped
AC 200 w/yr round cab, dual PTO & hydraulics 18 4 38 rubber, 1700 hrs sharp local tractor
JD 5020 with factory duals diff lock dual hydraulics Real nice tractor
IH 574 diesel 700 hrs w/2250 Mount o matic loader w/quick tach buckets exc cond local tractor $8 850
JD 4320 w/factory cab 38 rubber fully equipped
IH 966 fully equipped sharp
IH 856D w/cab fully equipped
JD 4010 Diesel wide front
JD 4010 Diesel wide front dual hydraulics 80% rubber
JD 4020 Diesel power shift 38 rubber clean
Farmall MTA
IH 706 SOLD 3 pt hitch
MF 85 Diesel good rubber
JD 620 gas tractor
Case 430 diesel
IH & JD cabs (used)

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IH 715 hydro w/4 row narrow and 13 grain head
IH 403 combine w/cab 3R wide 13 grain head $3750
NI 702 power unit w heavy rear axle
NI 323 1 rw picker has done very little work

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Used 6600 JD Combine w/13' Grain Head and 4 RN Corn Heads

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JD 1260 w/monitor
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JD 7000 4 R Wide

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Fox 2200 Fg. Harv. w/2 heads
NH 717 Harvester w/Corn & Hay Pickup
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
JD 3RW Corn Head
NH 1002 Bale Wagon
JD 24T Baler
NH 271 & 269 Balers w/Throwers
JD 24T Baler
JD 14T w/Thrower
JD Hay Crimper
Hesston 1010 Swing Tongue.
OMC #216 9' Mower Cond.
JD 15A Chopper
NH #33 Crop Chopper
NH 27 Blower
NH 56 Rake
(2) JD 216 Fg. Wagons w/Tandem Axle

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Pittsburgh 12' Transport Disc.
IH 4B Spring Reset Plow

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JD 2550
JD 2940 SG

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JD 3940 & 3960 Fg. Harvester
JD 506 Gyamor Mower
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NH 311 & 320 Balers
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NH 489, 495 & 1495 Haybines
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Bobcat 743

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IH 5500 Chisel plows
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IH 600 forage blower
IH 120 forage box
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IH 5100 18x7 drill w/fert.
IH 5100 18x7 drill w/out fert.

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IHC 666 Gas Tractor
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IHC 1466 Tractor w/cab and air
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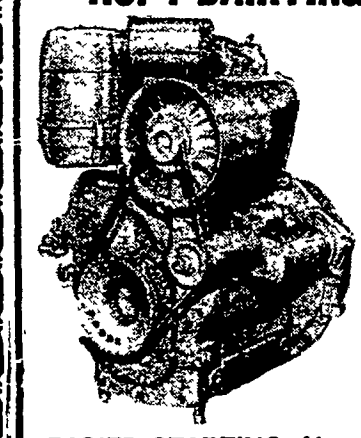

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5088 tractor
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NH engine thrower
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IH 550 Forage harvester, cheap
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NH 367 Tank Spreader, LH

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WHITE 2-88 Tractor
WHITE 2-105 Tractor
WHITE 2-110 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator
NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
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NH 488, 489 & 1495 Haybines
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IH 1468, 2606, 656, 1466, 966, 450, A, C
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Post Driver, 6 Row IH #500 Air Corn Planter with monitor, Long 55" tiller, Cultimulchers, Field Cultivators, Snow Blades, Wood Saws, Scraper Boxes, Pulverizers, Chisel Plows, Wagons.
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4500 vibre shank
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1302 Holland trans-planter
Gyrostar, tedder and rake
M-5 Woods mower
Woods scraper blades
Hesston 245

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Farmall 656D
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IH 574
Super AV
IH potato planter
IH 455 corn planter
45 vibre shank
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Mayrath auger 6"x27'
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Meyers 400 gal. spray
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100" Howard rototiller
800 Workmaster loader
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Owatona self-propelled windrower Model 25G, 10'
Owatona self-propelled windrower Model 30, 10', w/crimper rolls

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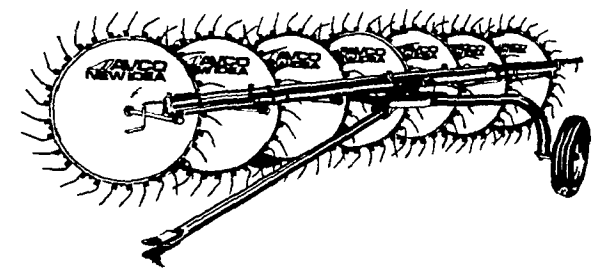

The 404 Wheel Rake is a high quality rake at a reasonable price. Rakes fast and clean in any field... smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain.

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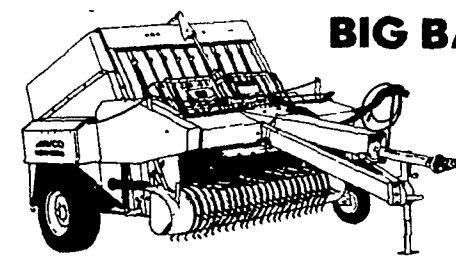

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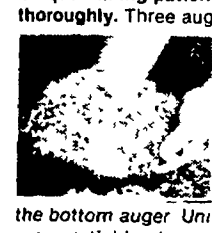
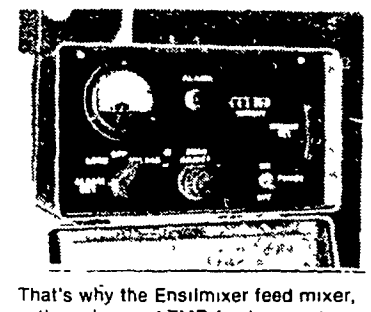
Unique mixing pattern blends feed thoroughly. Three augers move feed from front to back and side to side Reverse flighting at both ends lets feed fall freely for recirculation or discharge by the bottom auger Uniformly mixes even partial loads



Precisely weighs ingredients. Accurate weighing means consistent, balanced rations; eliminates waste Lets you calculate the amount of feed needed and mix that much Weigh bar system is standard, electronic scales optional



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2-F100 bale feeders and trailer
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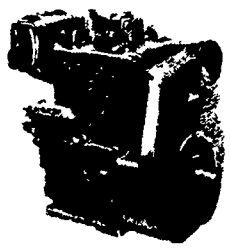

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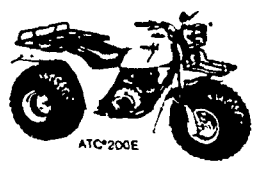

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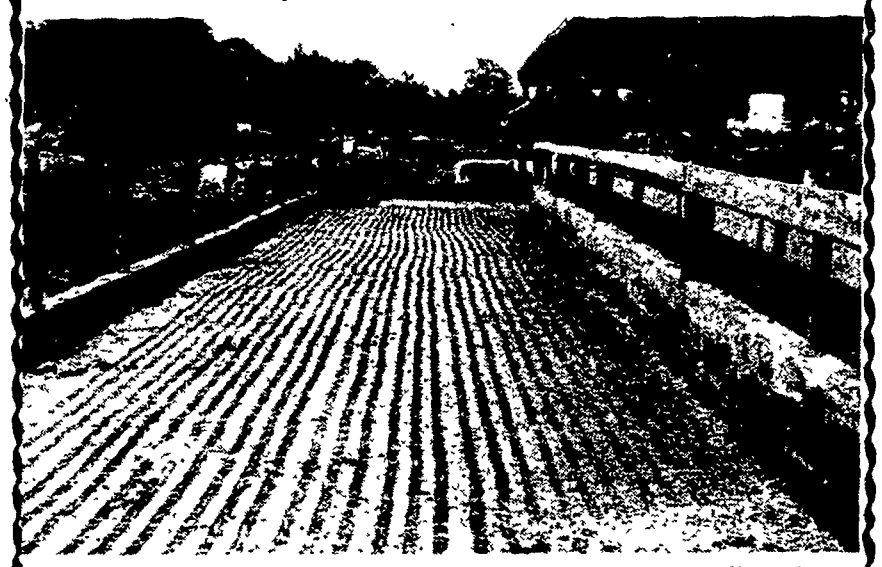

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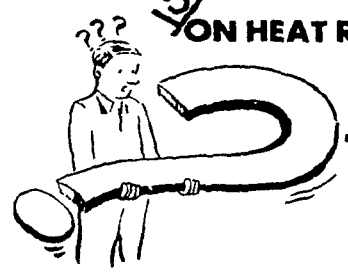

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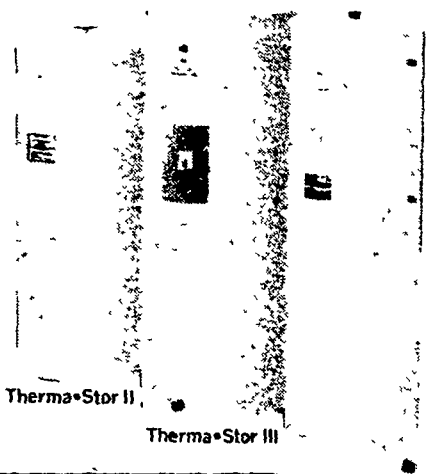

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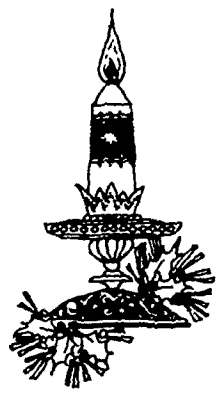

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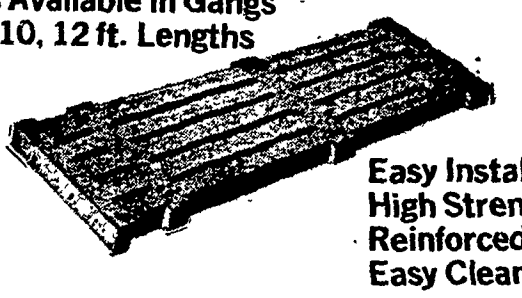

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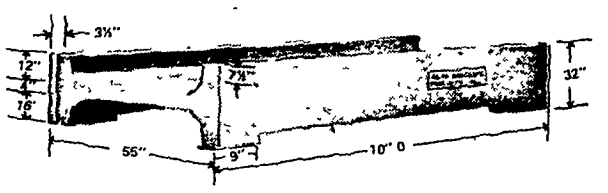

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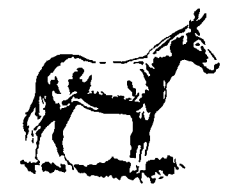

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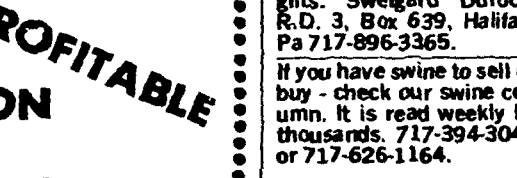

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16' Olson Aluminum Kurbmaster Walk-In Van 8" extra width, 8" extra height, Skylites, Dome lites, 38" rear doors, two seats, insulated, paneled. 1977 CP31 HD Chevrolet Chasis. 3-speed turbo-drive, locking rear axle, 350 V-8. Power steering. Price $12,000. Phone 717-725-3748

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TRUCKS & TRAILERS

1978 Ford LN 7000 w/3208 cat, power steering, 5+2, 20' van and lift gate, best offer; 1973 Int. 1700 w/20' hay body and 4' over/cab, new engine, exc. cond. $4,000. 301-795-9631

Trailers for sale Fruehauf 40x12'6" slider on 20. Fruehauf 40 aluminum livestock van, slider on 20. Fruehauf 40 aluminum pot belly livestock, Great Dane 40x13 insulated van, slider on 22. Fruehauf 22'-steel 2 axle dump, Fruehauf 35' flat, 20" tires. Dorsey 35' flat, spread on 20, Trailmobile 45' flat slider on 22, Trailmobile 42' flat, equipped to haul chicken coops. All kinds of storage trailers for sale or rent, some have shelves and office space. 717-626-5420

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel, PS, $9,500. 215-286-9510

For Sale - 10' wood livestock body; 12' wood livestock body; 20' wood livestock body; 26' alum. livestock body; 12' wood livestock body. M. H. Eby, Blue Ball 717-354-4971.

TRUCKS & TRAILERS

EXCESS EQUIPMENT FOR SALE

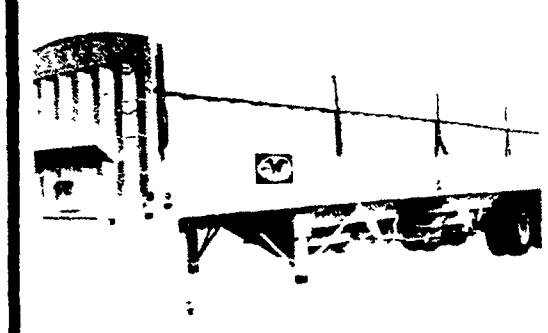
(2) 1980 Fruehauf 42'x13' van
(2) 1979 Strick 42'x13' van
(1) 1979 Trailmobile 42'x13' van
Choice of any three for $8,500 each.

1964 Heil 5500 gallon liquid fertilizer tank trailer, as is, $1,500

1978 IHC COF 4070 Transtar tandem tractor, Formula 350, 9 speed, PS, AC, 1,000x20 tires, 333,000 miles, as is, $14,500.

Contact Bob Winther
Delaware Express Co.
Elkton, MD
301-398-1733

HAWKEYE EAGLE
Hopper Bottom



All welded for strength and long life
Steel or aluminum in stock
No weight per cu. ft. limitations
Handle grain, fertilizer, sand, coal.
Talk to a Hawkeye Owner

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Ag Equipment territory rep to tree, fruit, vegetable growers, East U.S., new England. Must be sales oriented, aggressive, self-starting, willing to travel extensively. Ag background preferred. Salary, commission, car and expenses. If willing to give 100% effort, send resume to:

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Sell Animal Health Supplies farm to farm in northeast Lancaster county. Must have dairy farm background.

Call Animal Medic
717-266-5611

1974 GMC bulk/bag feed truck.
33,000 lb. GVW, 16' van body, hoist & blower. 432V-6 engine, P.S., air brakes, 2 speed axle. New brakes & king pin. Fair shape. $8,500 or best reasonable offer.
Henry E. Martin & Sons, Inc.
Lancaster, PA
717-397-5156

1969 F-600 10' dump, A/B, P/S, 10/20, 5/2, new red paint, $3,900
1964 Int. H. 16' flatbed dump, 5/2, 8.25/20, not run since PA inspection, new red paint, $3,200
1976 F-600, 1250 gal. vacuum septic truck, 4/2, 8.25/20 exc. cond., $10,500.
1974 F-600 1000 gal. vacuum septic truck, 4/2, 8.25/20, $6,500.
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Mason-Dixon Line Eq. Sales
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301-452-5660
717-456-7497 after 6 p.m.

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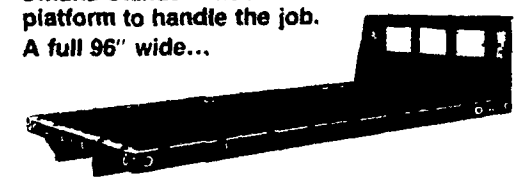
Whatever your hauling requirements, Omaha Standard has the platform to handle the job. A full 96" wide...



■ **STANDARD heavy-duty platforms**
The platform that set the standard for the industry. For bodies 9'6" and longer, a full 96" wide Wood, smooth steel, treadplate steel or steel over wood flooring

■ **METRO medium-duty platforms**
A rugged yet economical platform. Ideal for rental and leasing operations. Floor options include wood, smooth steel or treadplate steel 96" wide for bodies 9'6" and longer

■ **SUPER DUTY platforms**
The extra tough platform with structural steel construction throughout and 3/8' thick banding rail on both sides and rear Standard lengths from 12'6" to 24'6' long and a full 96" wide Other lengths built to order Floor options include 2" edge grain laminated wood, smooth steel, treadplate steel, smooth or treadplate steel over wood

■ **"COMPAK" platforms**
For economy size pickups Available in four sizes: 7' or 7'6" long x 72" wide and 7' or 7'6" long x 78" wide for dual tire trucks Wood or steel floors

Options for all platforms include bulkheads, stake racks and tool boxes

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***SPECIAL DISCOUNTS AND REBATES ON ALL '82 CARS AND TRUCKS**
***SPECIAL DISCOUNT ON ALL TRUCKS**
***4 WHEEL DRIVE D50 PICK-UP SPECIAL**
***1979 W150 CLUB CAB 4WD PICK-UP 30,000 MILE**
***1983 D50 TURBO CHARGE DIESEL 34 AND 45 MPG, READY FOR IMMEDIATE DELIVERY**
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PHONE 717-367-1808

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Situation Wanted - Experienced milker seeks work on Dairy, Reference. Call 301-658-3818

Young dairyman seeking herdsman position or opportunity to take over a herd in Lancaster Co. or surrounding Co. 717-285-5686

Experienced young man seeks full-time dairy employment. Call 215-265-2133 eves.

Experienced family man desires milking and field work on dairy farm. Have 2 cows and 21 heifers to put with herd. Would like to increase my herd while working for you. Phone 717-264-7145 anytime.

TRUCKS & TRAILERS

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The College of Agriculture, Department of Dairy and Animal Science, is seeking an individual to assume responsibility for management and operation of animal facilities.

Duties include liaison with faculty and staff to insure coordination of research and teaching efforts; assessment of long range planning of land, animal and facility requirements; recommendations for capital expenditures and lease arrangements and administration of personnel and budgetary functions.

BS Degree (or equivalent) in Animal, Dairy Science, or related fields plus 4 to 6 years of related experience required; including animal facility management, supervision of personnel and fiscal responsibility. MS Degree and familiarity with research preferred.

Send letter of application, resume and salary requirements to: **Employment Division, 117 Willard Bldg., Box LF-45, University Park, PA 16802. Application Deadline, Feb. 15, 1983.** An Equal Opportunity/Affirmative Action Employer.

TRUCKS & TRAILERS

For Sale - '69 Ford feed and grain truck w/18' Hewey aluminum body and regular use. Cross auger and blower system, 25,000 miles on new gas engine, 48,000 GVW, has pusher axle. Excellent body, good chassis and blower system. $12,000. 717-653-5936. 717-653-1826

1974 GMC 350 4-speed, 17,500 GVW, w/12' Johnson van body, w/Copeland cold storage unit, $1500. Also, 350 truck motor, runs good, $200. 215-286-5311

16' All aluminum grain body, two way tailgate, removable sides, 8 months old. 215-285-6264

Need cash now! Six trailers, $975 each! 26' livestock gooseneck, 35' drop deck flatbed w/Beaver tail, 35' Fruehauf flatbed, 25' Trailmobile flatbed, 40' Fruehauf livestock, 40' Wilson pot (roof leaks). Also 40' aluminum stock trailer, $2,500. '69 White twin screw truck tractor, recent overhaul, $4,900. 1976 Chevy crew cab dually, $4,200. 1975 IH pickup, $475. 717-334-7724

1969 Chevy C40 truck, 12' stake body, 350 V-8 motor and 4 speed transmission, in good cond., $1850. 301-836-1280, Harford Co.

'73 Int. 1800 Loadstar, 21' flatbed, 2 speed rear, PS, rebuilt engine, excellent shape, $3,650. 201-637-6004. Evenings 201-852-9319

Army truck, GMC, all wheel drive, auto. transmission, 9:00, 20 tires, tandem axle, $2800. 609-769-3183.

1972 Ford LN9000 tri-axel, 318 engine, 10 speed, new 10 20 19' aluminum bed, 800 bu. capacity. Excell. cond., must sell 215-869-3375 after 8 p.m.

'71 Brockway tri-axle dump, $13,500, real good cond. '75 Ford cattle truck, hauls 12 cows, $5,000, Grove self-unloading wagon $550, 717-432-2883, between 5 and 6 p.m.

1965 GMC 1 ton dual wheel 12' cattle body, $1300. 717-532-9271

Ford 1965 F-600 14' stake body on 16' chassis, exc. cond., needs inspection, $1300. 215-584-0229

For Sale - 2 late model 12,000 lbs., front truck axles w/air brakes and spoke wheels, $350, 717-733-8528

1980 Chevy heavy duty ¾ ton pickup, 292 4 speed, PS/PB, 8600 GVW, regular gas. $4,750. 717-733-2873

36' flatbed trailer, good cond., $2000. 717-532-9271

For Sale - 1969 Int. 1700 22' flatbed, 9.00x20 tires, good cond., asking $2000. 201-462-0994 eves. Monmouth Co., NJ

1966 GMC pickup truck, 1 ton w/dump, good condition. 717-859-1662

40' 6" drop flatbed trailer, good for hauling hay, $1500. 717-532-9271

'81 Chevy ½ ton pickup, 6 cylinder, 3 speed, PS/PB, AM-FM, dark blue, excellent condition. $5,250. 717-733-2873

1970 Diamond Reo 10 wheeler, 20' grain dump. 717-665-9214

1966 Ford 600 dump 10½' 23,000 GVW 4+2 speed, good condition $3,000. 717-374-6400

35' cattle trailer, $1000. 717-532-9271

'81 Chevy ½ ton pickup, 6 cylinder auto., PS/PB, dark brown. $5,450. 717-733-2873

1969 Chevy Step-Van - built in refrigeration, scale, ideal for meat and produce route, very good condition. Call 717-682-8185 after 5 p.m.

TRUCKS & TRAILERS

1982 Ford L700, 250" wheel base, good condition. 717-362-8970

30' aluminum dump trailer, 20" rims, good condition. 717-665-4785

'81 Dodge 150 Custom SE ½ ton pickup, 6 cylinder, 3 speed overdrive, PS/PB, two-tone paint, 27,000 miles, excellent condition. $5,450. 717-733-2873

TRUCKS & TRAILERS

14' Midwest grain body w/10 ton double cylinder hoist. $1000. 215-679-9010

'82 Ford F150 Ranger XLT Lariet, 6 cylinder auto., PB/PS, two-tone paint, 800 original miles. $7,950. 717-733-2873

Diamond T truck, new paint, new Cummins 205, 600 bu. capacity, reasonable. 201-788-5689

TRUCKS & TRAILERS

1977 IH 1800, 404 V-8 engine, 10. 20 tires, long wheel base, 28,000 GVW, 301-877-9889

1966 White 9000, 48,000 GVW, $5500. 18' tilt bed tandem axle with powr divider, 250 Cummins, 10 spd. Road Ranger, newly inspected. Phone 717-768-3223

TRUCKS & TRAILERS

For Sale - Bulk feed truck, '71 IH 1890 w/14' dump van, air brakes, excell., rubber. 33,000 GVW. Phone 717-784-4285 day or 717-784-6359 evenings

1977 GMC 6500 with 26' Groves lowback, dual fuel, gas and LP; 5+2 trans., AM-FM-CB, dual tanks, $13,500. 607-642-8688 or 8519.

TRUCKS & TRAILERS

1982 TriStar tri-axle trailer, 30' bed, 12.00x16 tires, with equipment ramps, $7200 or best offer, must sell. 215-369-1211

1969 Fruehauf drop deck machinery trailer, $6,750. 607-642-8688 or 8519

For Sale - Used 1968 International 1890 truck with 12' body and hoist, 30,000 GVW. 717-648-2088

TRUCKS & TRAILERS

TO HAVE YOUR TRUCK CHASSIS FRAME LENGTHENED OR SHORTENED

CONTACT WITTES TRUCK AND TRACTOR

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FREE LUBRICATIONS & OIL CHANGES FOR 1 YEAR FROM DATE OF PURCHASE.
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A FULL SERVICE LEASE COMPANY

ALL EQUIPMENT EXCEPTIONALLY CLEAN, WELL MAINTAINED & RECENTLY INSPECTED

USED TRUCKS

1975 CHEVROLET 14' STAKE TRUCK CE60
366 V8, 5 sp, PS, 900x20 tires, 23,160 GVW.

1977 FORD PICKUP F150
½ ton styleside, 300 6 cyl. engine, auto. trans., AM radio, exceptionally clean.

1975 CHEVROLET 20' VAN TE67
366 V8 engine, AT540, automatic transmission, aluminum body w/curbside door and roll-up rear door, power steering, radio, new paint.

1977 CHEVROLET 18' VAN CE67003
366 V8 eng., 5 spd. trans., P.S., tilt hood, radio, 50 gal. tank, 27500# GVW, 1000 x 20 tires. O/H rear & curb side doors, 2500# Liftgate.

1978 FORD DIESEL - 16' VAN LG LN7000
Real nice - new paint - 27500 #GVW, air brakes, 2 spd. rear, cat 3208 175 hp. eng. P.S., OH. Rear, C.S. Door 3000# L/G

1978 IHC 20' VAN LG 1750
DT 466 diesel engine, 9000 lb. front axle, 19,000 lb. 2 sp. rear axle, 5 sp. trans., PS, 1000x20 tires, new paint.

USED TRACTORS

1979 KENWORTH K100
8V-92TA, 435 H.P. Detroit engine, 14 speed Spicer trans., A/C, P/S, 192" WB

1977 CHEVROLET DH9203
Tandem axle diesel sleeper, Cummins Formula 290 engine, Fuller RT 1110 trans., 10 speed, A/C.

1977 FORD LN9000
Single axle diesel, conventional cab, 6-71N Detroit engine, RT 910, 10 sp. trans PS, new paint.

1977 GMC JC9640
Tandem axle, diesel, conventional cab, Formula 290 Cummins engine, 10 sp. trans., PS, air conditioning, low mileage, new paint.

1977 FORD LNT9000
Tandem axle diesel conventional tractors, 8V-71 Detroit or formula 290 Cummins, 10 spd. trans., P.S., A.C 10.00x20 tires, sliding 5th wheels, with or without new paint.

16' & 20' ALUMINUM VAN BODY
1977 & 1979 Morgan, pre-painted white aluminum panels, overhead rear door, curb side door, 10" dock bumper & slated interior w/or/w/out liftgates.

Complete maintenance records available for inspection. Other makes, models & types to choose from.

PICK UPS

1981 Chevy C20 Crew Cab, 292 6-Cyl., Auto., PS, PB, AM-FM, Air Cond., Dual Tanks, 23,000 Miles $9495

1980 Ford F250 Super Cab, 351 V8, Auto., PS, PB, AM Radio, 2 Tone Brown & Tan, 33,000 Miles $7995

1980 Chevy C10 Dsl., A, PS, PB, AM Radio, 27,000 Mi. . . . $6995

1980 Chevy C10 Custom, 260 6 Cyl., 3 Speed, AM Radio, 20,000 Miles $5995

1980 Chevy C-30 Bonanza, Camper Special, 350 V8 Auto., PS, PB, Air Cond., Dual Tanks, 9000 GVW, Cap, 2 Tone Paint, Only 14,000 Miles $8995

1979 Chevy C-20 Cheyenne, Trailer Special 454 V8, Auto., PS, PB, Air, Tilt Wheel, Dual Tanks, AM-FM, 8200 GVW, 34,000 Miles $7495

1979 Ford F150 Custom, 300 6 Cyl., Auto., PS, PB, AM Radio. $5795

1979 Ford F100 Custom, 302 V8, 3 Speed, PS, AM Radio. . . $4995

1978 Chevy LUV, 4 Cyl., 4 Speed, AM Radio, Sliding Rear Window, Alum. Cap. $3995

1978 Datsun Pickup Long Bed, 4 Cyl., 5 Speed $3695

1978 Chevy C20, with Reading Utility Body, 292 6 Cyl., Auto., PB, New Paint $4895

1978 GMC Shortbed, 6 Cyl., Auto., PS, PB, AM-FM, Air Cond., Cap, 1 Owner Truck, 33,000 Miles $4995

1977 Chevy C10 Silverado, 350 V8, Auto., PS, PB, Power Windows & Locks, Cruise Control, Tilt Wheel, AM-FM, Dual Tanks, Sliding Rear Window, 2 Tone Paint. $4995

1976 Ford F100 w/Ford Fiberglass Cap, 360 V8, 3 Spd.. PS, AM Radio. $3495

1976 Dodge D200, 360 V8, 4 Spd., PS, PB, Only 38,000 Mi. . $3495

SUBURBANS

1979 Chevy Scottsdale 4 Wheel Drive Suburban, 400 V8, A, PS, PB, AC, AM-FM Radio, 31 Gal. Fuel Tank. Equalizer Hitch & Brake Pkg. Dk. Brown Metallic $8995

1973 Chevy Suburban, ¾ Ton, 350 V8, Auto., PS, PB, AM-FM: $1995

CAB & CHASSIS

1982 Ford, F350, 351 V8, 4 Spd., PS, PB, 137" Wheel Base, 10,000 GVW, Dual Wheels, 25,000 Mi. $8995

VANS

1982 Chevy Conversion Van, 6 Cyl., Auto., PS, PB, Air Cond., AM-FM & Tape, CB, only 7000 Miles - Like New. $15,900

1981 Ford E100 Econoline, 6 Cyl., Auto., PS, PB, AM Radio, Dual Tanks $6895

1979 Ford E250 12 Pass., 351 V8, Auto., PS, PB, AM Radio. 37,000 Miles $7495

1979 Dodge B200 Panel Van, 318 V8, Auto, PS, PB, AM Radio. $5495

VANS CONT'D

1979 Ford E150 Econoline, 351 V8, 3 Speed Standard, PS, PB, AM Radio, 45,000 Miles . . $4995

1979 Chevy 8-Passenger Beauville, 350 V8, Auto., PS, PB, Air Cond., Tilt Wheel, Cruise Cont., AM-FM Stereo, 33 Gal. Tank. $8995

1977 Dodge 8 Passenger Royal Sportsman, Trailer Special, 440 V8, Auto., PS, PB, Air Cond., AM Radio. $6995

1977 Chevy Short Wheel Base Window Van, 5 Pass., 350 V8, 3 Speed Standard, PS, PB, AM-FM & 8-Track $4295

4 WHEEL DRIVES

1982 Ford F150 XL, 302 V8, 4 Speed, PS, PB, AM-FM Stereo, Dual Tanks, Dk. Brown Metallic & Buckskin, only 10,000 Miles, Still Under Factory Warranty . . $11,500

1980 Chevy Blazer Silverado, 350 V8, Auto., PS, PB, Air Cond., AM-FM Stereo, Tilt Wheel, Lockout Hubs, 25,000 Miles $9895

1980 Chevy Blazer, 6 Cyl., 4 Speed, PS, PB, AM-FM Stereo, Lockout Hubs. $8495

1980 Ford F150 Short Bed Step Side, 300 6 Cyl., 4 Spd., PS, PB, Sliding Rear Window, Lockout Hubs, AM-FM & Tape, Tonaeu Cover, 32,000 Mi. $7995

1979 Dodge Ramcharger, 318 V8, Auto., PS, PB, AM-FM . . . $6995

1979 Chevy Blazer, 350 V8, Auto., PS, PB, Air Cond., AM Radio, Rust-Proofed, 2 Tone Paint. $8495

1979 Ford Bronco Custom, 351 V8, Auto., PS, PB, Air Cond., AM Radio, 34,000 Miles, 2 Tone Red & White . . . $8695

1979 Dodge W150 Pickup, 360 V8, Auto., PS, PB, AM Radio, Cap, Very Clean. $6995

1979 GMC Jimmy, 350 V8, A, PS, PB, AM Radio, 2 Tone Black & Silver $8295

1979 Chevy Scottsdale 4 Wheel Drive Suburban, 400 V8, A, PS, PB, AC, AM-FM Radio, 31 Gal. Fuel Tank, Equalizer Hitch & Brake Pkg., Dk. Brown Metallic $8995

1979 Ford F150 Custom, 351 V8, A, PS, PB, AM-FM, Lockout Hubs, 22,000 Mi. . . . $7995

1978 Dodge Ram Charger, 318 V8, Auto., PS, PB, AM Radio, All Black w/White Spoke Wheels $5995

1978 Plymouth Trailduster, 360 V8, Auto., PS, PB, AM Radio, Chrome Slot Wheels, 2 Tone Maroon & Silver, 39,000 Miles $6995

1977 Dodge Shortbed, 318 V8, Auto., PS, PB, AM Radio. $4995

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AUTOMOBILES

Suzuki, 1980 GS450T, maroon metal flake paint w/pin stripes, polyglycoat, star-wheels, 6 speeds w/LED gear position indicator, storage compartment under seat. Many extras. Before considering spending $1000 more for 1982 bike, check this one out. Perfect condition, garage-kept, never intentionally rode in rain, sharp looking. $1300 negotiable. Call 717-285-3051 or 397-2093

Black V.W. S.W. Dasher 1975, good condition needs minor body repair. $1200. 814-623-2425

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1st or 2nd mortgages, building additions, livestock or equipment.
18-22% interest
Term negotiable.
Mr. Nedimyer
717-299-5795

PETS

AKC reg. St. Bernard puppies, 6 wks. old, wormed and shots, also 6 mth. old male, 814-832-3201 or 814-832-2784

Purebred collie puppies, nicely marked, 6 weeks old. 717-653-5975

Doberman Christmas pups. Large boned. Magnificent Reds and Blacks. Sire International Champion. Docked, cropped, all shots. $150 up. 215-933-3600

AKC Rottweiler females, (one) 10 months old, (one) 2 years old. 717-532-2599

For Sale - Australian Blue Heeler cattle dog puppies, purebred, priced reasonable. Lancaster County. 215-286-9052

PETS

Border Collie puppies, 8 wks. old, not registered, $50 ea. 717-259-9459 after 5 p.m.

German Shepherd puppies AKC Reg. top bloodlines, will be ready for you till mid January. Call 717-354-8116

RABBITS - French Lops and Red Satin rabbits, will sell or trade in Chinchilla rabbits. 717-529-2528

Boston male and female, nicely marked; 1 yr. old mixed male; 5 yr. old Chihuahua male. 717-757-2744

Airedale Puppies - AKC registered, ready for Christmas. Extra large parents, hunting stock, obedience and companion, excellent temperament. Oldwick Farm, Corbett Road, Montgomery, NY 12549, 914-457-3859

CATTLE DOGS

Registered Red and Blue Heeler pups for sale. Guaranteed to work stock. Color Brochure and Literature available upon request.

Kathy Lawson
Rt. 3, Box 122-A
Smithsburg, Md. 21783
Phone (301) 824-3152

This Tuesday, December 21 is the **deadline!!!** No pups wanted after Dec. 21 until March 1, 1983. There will be a $50 prize for the cutest pup purchased Dec. 21.

The winners of the Tues., Dec. 14 puppy contest are Walter M. Kurtz, Box 284, Morgantown, PA, a faithful reader of "Lancaster Farming" so I'm told, for 6 nice, mixed Shepherd puppies. They looked like the real McCoy. Sharing the prize for 6 cute Westie & Spitz mixtures will be Mrs. Stephen E. Fisher, RD3 Box 316, Quarryville, They each won $25.

Thank You and Wishing You A Merry Christmas & Happy New Year!

Love, Jo Jo the Dog Man
XOXOXO

JO JO THE DOG MAN

I need nice Shepherd, Collie & Terrier pups. Also - cute Peek-A-Poos, Cock-A-Poos and anything cute & shaggy.

I need good healthy, clean pups, pure & mixed breeds, 6-8 weeks old. Offering extra high cash prices. Baskets of cash waiting for you! Paying up to $75 for extra cute mixed breeds.

See Me At

Root's Farmer's Market

RD 1 Manheim Every Tuesday 5 PM - 8 PM (no phone calls)

PETS

Golden Retrievers, AKC, guaranteed healthy, champion lines, 2 litters ready, Orwigsburg, Schuylkill Co. 717-943-2920

Llamas: one male trained to lead and pack. $1000. One young female $2500, Lehigh Co. 215-298-2837

Puppies Wanted - AKC, purebred, mixed, 296 S. Vintage Rd., Paradise, PA 17562 717-442-4259

COLLIE PUPPIES - AKC reg., sable - white and white, shots and wormed ready to go by Christmas. Bedford Co. 814-793-3938

Registered Australian Shepherd puppies. Excellent working bloodlines. Red Merles, solid Reds, solid Blacks. Beautiful colors. Ready for Christmas! 717-285-3023

PETS

Wanted: Puppies, all breeds. Jack's Dog Farm, Rt. 611 Pipersville, PA 18947. 215-766-8802

Collie pups, sable and white AKC Reg. Have shots, wormed and eyes checked. Also blue merle female, 7 mos. 814-224-2239 or 224-2391

AKC Chocolate Labrador Retriever puppies, proven bloodlines, chocolate parents on premises, great Christmas stocking stuffers; also, stud service. Cumberland Co. 717-776-5973, 776-6505

HOUSEHOLD GOODS

For Sale - Prizer Cook Stove, excellent shape. 215-593-5754.

MISCELLANEOUS

APPLE II FARM PACKAGE 64K computer and other hardware, 15 mo. warranty, software support, farm ledger and word processor, etc., $2,175. 717-742-4711

For Sale - Rubber tire top buggy with brakes. Good cond. 215-445-6413

For Sale - 80 pieces 8'x9' ¼' plate glass solar panels. Call 717-354-4348

Wanted - Old toy trains Lionel American Flyer Ives Marx. Top prices. 609-654-0697

FOR SALE - New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers, new bedroom furniture. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by apointment. Myer's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169

PHASE CONVERTERS RUN 3 PHASE MOTORS ON SINGLE PHASE IN STOCK 1½ TO 10 HP. AND UP ON SPECIAL ORDER. FOR MORE DETAILS PHONE 717-676-4504

Sawdust for sale and calf hutches built. 717-432-2415 or 2883

New and used and plastic drums for Kerosene and cider. Reliable Recyclers, 717-656-4211

Higher mileage for your car or truck, up to 60 MPG possible. Complete plans, parts list and instructions to build vapor for your carburetor. 30 day money back generator. Send $29.95 to B&G Bumpus, Wholesale Distributors, R.D. #1, Box 183, Howes Cave, NY 12092.

For Sale-mixed hardwood in long lengths. 717-425-3697, 717-374-8965

Wanted - Old Oriental rugs, any size or condition, call toll free 1-800-553-8003.

CARS $100; TRUCKS $75; Available at local gov't sales. Call (refundable) 1-312-931-JEEP, Ext. 1370B for your directory on how to purchase. 24 hrs.

Mobile processing jugging plant in 8'x40' trailer, excellent condition. Ideal for individual farm or custom work. Diesel motor, 2-3 gph. Call 301-957-1399

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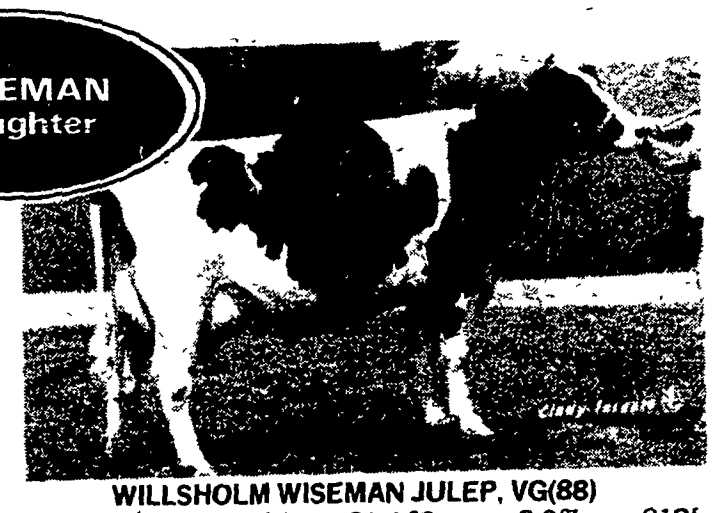

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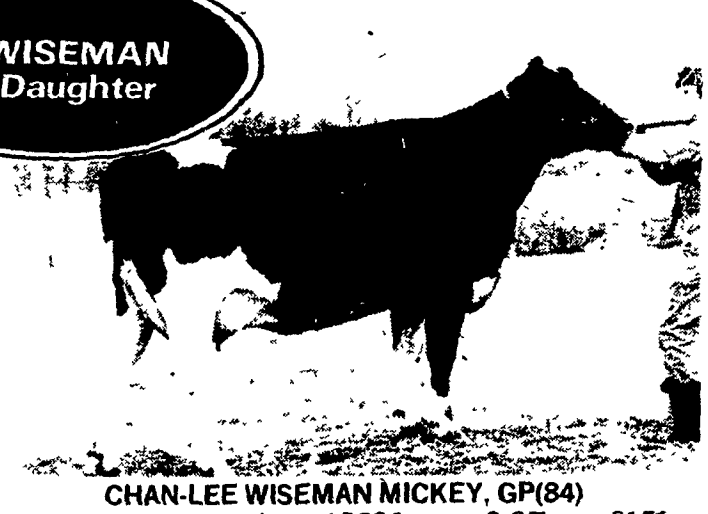

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Israeli use of photodegradable plastic sheeting proves promising

NEW YORK, N.Y. — Israeli farmers are using an ingenious plastic covering in their fields which simply melts away when no longer needed. The material decomposes in sunlight after several months, leaving no residue to obstruct automatic harvesters and plowing machinery.

The photodegradable plastic is the invention of Israeli Dan Gilead and Britisher Gerald Scott, who worked together at Kibbutz Hazorea, one of many Israeli communal farms that also engage in technological research and industry. Gilead and Scott developed a chemical which, when added to plastic during its manufacture, makes the sheeting sensitive to the ultraviolet rays of ordinary sunlight - but only at a predetermined time.

The decomposition is complete, and all elements of the plastic disintegrate into compounds commonly found in the environment, such as carbon dioxide and water vapor.

Practical for Desert Areas

This innovation in plastic sheeting opens up the possibility of putting millions of acres of the world's marginal desert lands to profitable agricultural use.

Farmers have long known the value of using sheets of plastic covering in desert areas. Like a greenhouse, the plastic retains moisture and keeps young plants warm during chilly nights, thereby prolonging the growing season and increasing yields.

They find, however, that as harvest time approaches, conventional plastic sheeting becomes a nuisance and a liability. It tangles in plants and fouls up automatic picking machines. It tends to tatter and fly with any gust of wind - mummifying any and all objects downward. Some of it becomes crushed into the earth, where it lies in wait to snarl up the next season's plowing.

Here they grow vegetables in Israel's arid steppe lands. Like a greenhouse, the plastic has the potential to retain moisture and keep young plants warm during chilly nights, thereby prolonging the growing season and increasing yields.

Photodegradable polyethylene is used as a mulch for banana shoots (top) in an early experiment in Israel, during which, after four months, the sheeting practically vanished (bottom).

Since nobody has ever developed a practical, economical method of clearing the stuff away, it just isn't worth the time and money to cultivate many marginal fields with the aid of conventional plastic sheeting. But with the newly developed plastic, such fields will become cultivable.

The agricultural application of photodegradable plastic, according to Dan Gilead, the inventor who now heads the research and development section of Kibbutz Hazorea's Plastopil industry, is a bit more complicated, and more important, than photodegradable plastics for the packaging industry.

"Plastic litter is an eyesore and a nuisance," he says. "But it is really quite simple to make a plastic which does its job indoors, and then decomposes if somebody tosses it out. But with the agricultural application, the plastic must be exposed for long periods to sunlight, and then, when you don't need it anymore and it has fulfilled its purpose, it should disappear totally, quickly and without a toxic residue."

Inventor Gilead, as a polymer engineer, knew that the lower range of the ultraviolet light spectrum "has an energy wallop able to destroy the molecular structure of most plastic materials." Indeed, he noted, most plastics would decompose very easily simply by exposure to this light, so therefore, manufacturers add stabilizers to prevent the photodecomposition.

The key to the material he developed, says Gilead, is an additive which acts as a stabilizer for a certain period of time, while the plastic is being used, and then reverses itself and initiates the decomposition of the plastic when it is no longer needed.

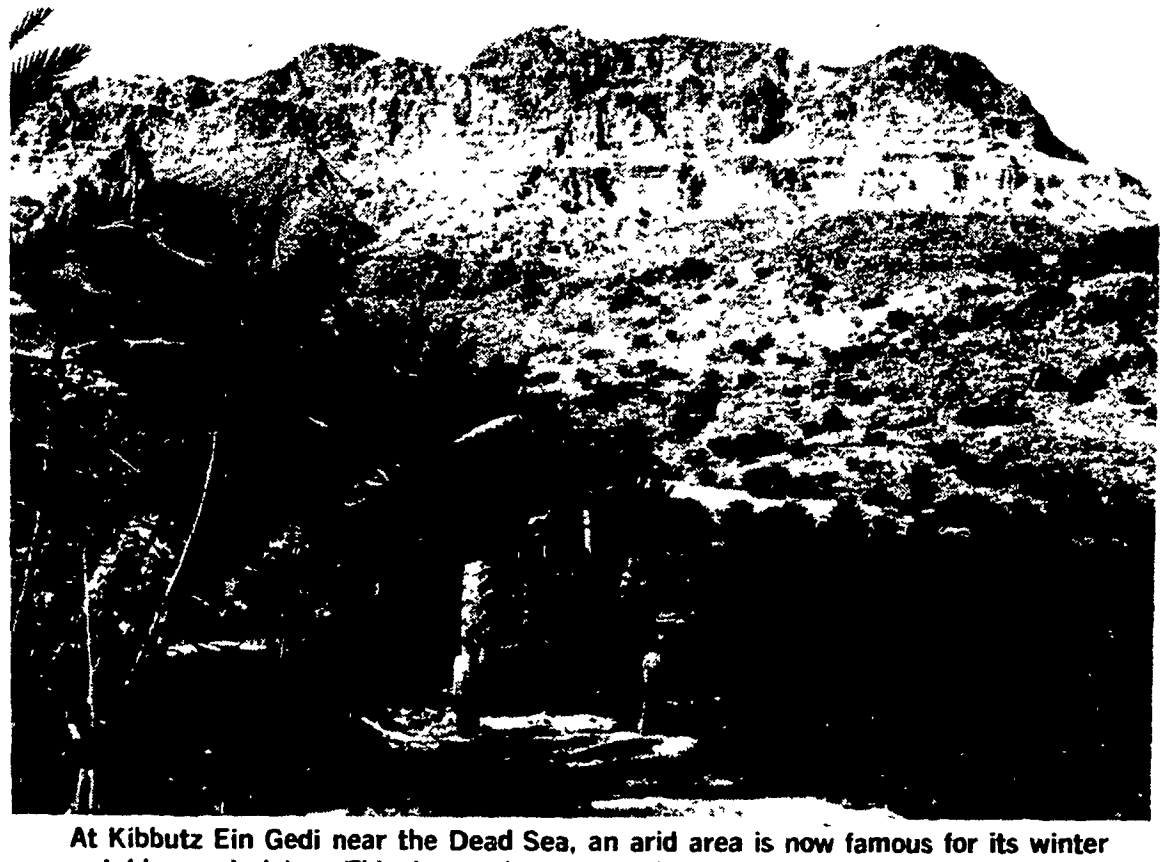
Working with Prof. Gerald Scott of England's Aston Institute, Gilead invented Plastor - a play on Hebrew words combining plastic and light.

"Plastor incorporates an additive which is a stabilizing system with a time-dependent action," Gilead explains.

Plastor can be purchased and stored without worry of its self-destructing. The time process begins when it is spread on the ground, where it shelters young plants from frost, desiccation and other forces of nature. Then, depending on one's needs, the plastic begins to decompose between one and seven months from the time it was spread.

Once the additive has ceased to be a stabilizer, and has entered its catalytic decomposing stage, sunlight is no longer required for decomposition. This means that all the bits of plastic which become buried are going to decompose anyway and there won't be much left but a memory when it comes time to plow for the next season's crops.

Photodegradable plastics have also extended the use of plastic beyond the desert, to crops which could benefit from the material under normal conditions. Plastor could be used over corn, Gilead says, giving it an earlier start in the growing season, which would bring an earlier harvest. Traditional plastic sheeting is not feasible for corn because it soon becomes impossible to separate the corn stalks from the plastic.



At Kibbutz Ein Gedi near the Dead Sea, an arid area is now famous for its winter vegetables and dates. This innovation in plastic sheet purportedly opens up the possibility of putting millions of acres of the world's marginal desert lands to profitable agricultural use.

Potter Holstein Club elects officers

COUDERSPORT — The Potter County Holstein Club met recently to review the year and look ahead to 1983 activities.

Jay Gooch, sales chairman, reported that the state calf sale will be held April 7 and 8 and calves are being selected now. Sam Crossley, county Extension director, showed slides of the club's tour to Toronto, Canada in July and Dennis Smoker discussed plans for a bus tour to Baltimore, Md. in 1983.

Following the dinner meeting, club directors met and elected the following officers: Dennis Smoker, Genesse, president and show chairman; Kevin Risser, Coudersport, vice president; Jack Thomas, Ulysses, secretary-treasurer and youth chairman; Jay Gooch, Coudersport, state director sales chairman and membership chairman; Sam Crossley, publicity chairman; Tom Kibbe, special activities chairman.

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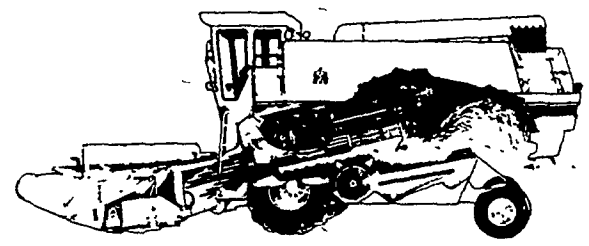

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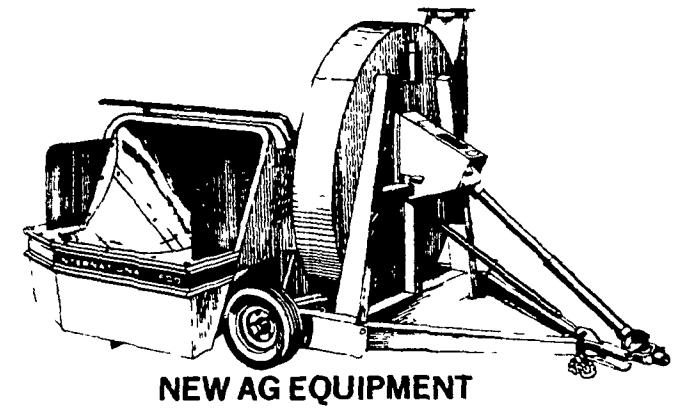

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Del. Grange holds 108th session

GLASGOW, De. — Edward Andersen, Master of the National Grange, was in Delaware two days this week for the 108th annual session of the Delaware State Grange, in Pencader Grange Hall, Glasgow.

Andersen spoke to the Grangers on Tuesday, Dec. 7, and at the banquet, Wednesday, Dec. 8. Daryl Heasley was the main banquet speaker. A rural leadership extension specialist from Penn State, Heasley is in demand for rural leadership workshops and seminars throughout the northeast and mid-Atlantic states.

Wills Passmore, Delaware State Master, addressed the session Tuesday. Under membership services, he pointed to the growing number of Grangers taking advantage of the cooperative food plan with Eastern Milk Producers. There are now five stops in the state, three of them at Grange Halls, with the need for additional stops in 1983. This plan offers Grange members quantity food purchases, mainly dairy products such as cheese and ice cream, at wholesale prices.

The Delaware State Grange has endorsed Agway's Agri-Care health insurance, a large group plan administered by Agway and underwritten by Travelers Insurance Co. An Agri-Care agent has been working with interested Grange members since September.

Passmore also spoke on several future legislative and administrative concerns which he felt important, emphasizing three of them.

The quality of Delaware's groundwater resources, and possible regulation for allocations, uses, and pollution was first on his list. He mentioned a recent draft report by the Governor's special committee on long-range planning for management of the state's water resources. On Wednesday, Robert Jordan, state geologist spoke to the Session on "Delaware Water Quality - 30 Years of Observation."

Passmore's second concern was Delaware's Farmland Assessment Act and the recent challenge to it and evaluation methods in New Castle County.

He said, "We now have an opinion from the Attorney General which says that the act is valid, as is the procedure for evaluating farmland. There was no time spent that I felt was more worthwhile than on this subject. We worked closely with Farm Bureau, and I believe that our united front was probably the main reason our Farmland Assessment Act was not challenged in court."

Third on his list was the beverage container deposit legislation.

"Attempts to amend it may well occur in the next General Assembly. It is hard to fight the big money of the beverage and container industries," he said. "We must all speak up, as individuals and as organizations, when attempts are made to weaken our law."

The biennial election of officers was held on Tuesday, and on Wednesday, the 42 delegates discussed resolutions which will form the basis of Grange policy in 1983.

The following people were elected to several Grange posts for two year terms: Master - Wills Passmore, Townsend; Overseer - Jane Mitchell, Lewes; Executive Committee - Edward F. Comley, Bear, Claude R. Hoffman, Dover, and Williams A. O'Day, Seaford.

What's the potential demand for hay in Pa.?

UNIVERSITY PARK — Long range growth potential for increased demand of hay in Pennsylvania depends on growth of the livestock sector and the price of alternative feeds, according to William Grisley, Penn State farm management specialist. The major use of hay in the state is feeding dairy cows, cattle and horses.

Feed needs for these animals affects the demand for hay. Grisley, speaking before the 1982 Pennsylvania Forage and Seed Conference held last month at Penn State, said that livestock numbers in neighboring states also influence demand.

The number of dairy cows has not changed significantly in New York and Pennsylvania since 1977. However, the number of cows has decreased 13 percent or 25,000 cows over this period in Delaware, New Jersey, and Maryland.

"Given the large holdings of government dairy stocks and the impending unfavorable changes in the milk price support program, little or no growth in cow numbers can be expected in the near future," said Grisley. Growth in the demand for hay from the dairy sector cannot be expected unless other feeds become relatively more expensive.

Beef cows in the five-state area have increased by 10 percent or 41,000 over the period 1977-81. "Potential for continued future growth will depend on profitability in the dairy and cash grain sectors and the price of beef," he added. "We may optimistically expect to see more continued growth in the beef sector."

The race and pleasure horse sector is the brightest area for growth in the demand for hay. Since 1972 horse numbers in Delaware, New Jersey, Maryland, and Pennsylvania have increased by a combined total of 72 percent or 142,000 animals.

There is a large carryover of feed grains and the present crop is forecast to be a record. Prices are expected to remain depressed during the coming year. While feed grain and hay are not perfect substitutes, low grain prices will encourage more use of grain and less use of hay.

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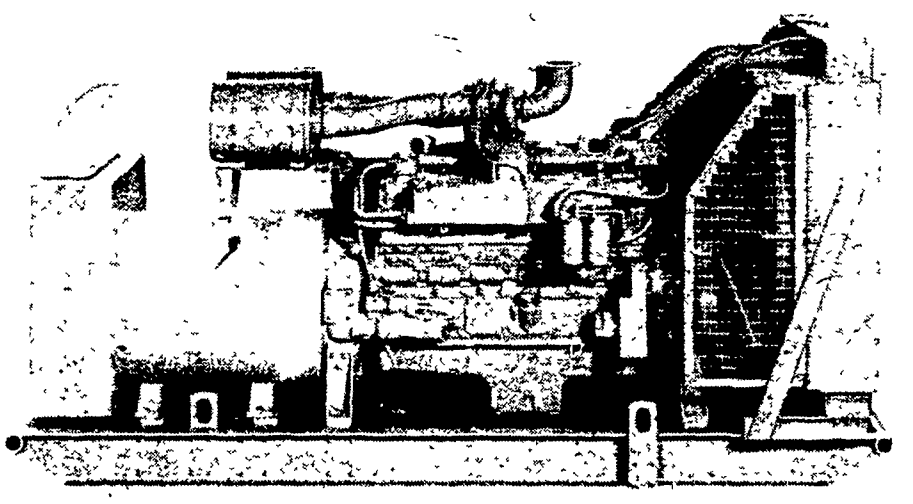

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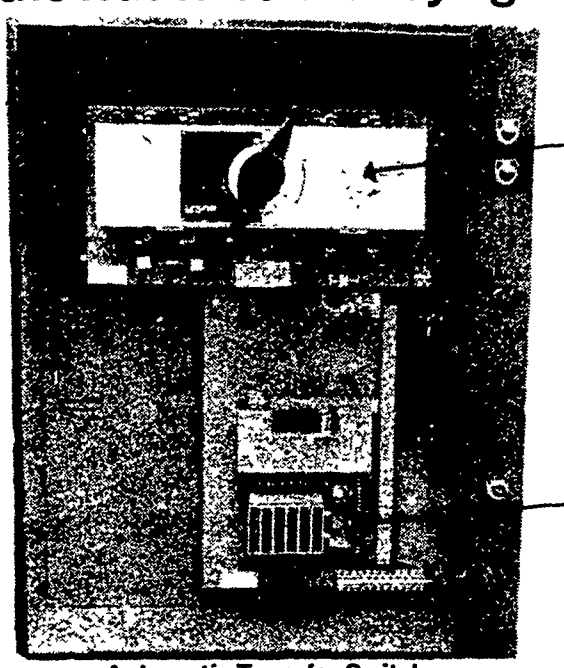

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The 50-cent cut — will it work?

WASHINGTON, D.C. — A big question in the dairy industry is whether the new dairy legislation will help bring supply and demand back into a reasonable balance. Dairy surpluses are at record levels and still growing, reports USDA dairy analyst Cliff Carman.

Congress amended dairy provisions of the agricultural Act of 1949 when it passed the Omnibus Budget Reconciliation Act in September. Under the amended law, the minimum support price remains at $13.10 per hundredweight until October 1984. The $13.10 level first went into effect in October 1980.

In addition, USDA is authorized to collect from producers 50 cents for every hundred pounds of milk sold. This applies if CCC net dairy purchases under the price support program are likely to reach at least 5 billion pounds, milk equivalent, during the marketing year, says Carman.

An additional deduction of 50 cents per hundredweight is permitted beginning April 1, 1983, if net government purchases are expected to exceed 7.5 billion pounds. The second deduction, however, must be refunded to those producers who reduce their output by a specified amount.

The assessments have a twofold purpose: to encourage producers to trim production, and to help pay the rising costs of the dairy program, under which the CCC buys up excess supplies of dairy products. These costs rose from around $250 million in fiscal 1979 to $1.3 billion in 1980, nearly $2 billion in 1981, and an estimated $2.3 billion in fiscal 1982, which ended on September 30.

USDA officials announced that the initial 50-cent deduction would begin on December 1, 1982. Net CCC dairy product purchases are currently projected to reach around 14 billion pounds, milk equivalent, in the 1982/83 marketing year—well above trigger levels for both deductions. (Net CCC purchases include purchases minus unrestricted sales back into the commercial market).

"Dairy farmers' response to the deductions will play a key role in determining 1983 milk production," says analyst Carman. According to Carman, the success of the deduction plan will depend on how soon and how much it influences the decisions of dairy producers.

"If producers react quickly and start to reduce their herds, milk production in late 1983 could be down from 1982's late summer and fall levels. That would probably leave total output about 1 percent larger than it was this year," he says. "on the other hand, if producers wait until the spring flush production period before they take any steps to trim output, 1983 production will show a larger increase—perhaps 2 or 3 percent."

Milk production this year is estimated at about 135 billion pounds, up 2 percent from 1981's record. Economic factors have favored expansion even though prices received by farmers have been running below year-earlier levels.

Part of the explanation involves weak prices for grains and other crop commodities, and a tight off-farm job market. The lack of attractive alternatives has helped keep resources in dairying, giving dairy farmers more time to devote to milk production and leaving them more dependent on the income it provides. At the same time, low feed prices and favorable milk-feed price ratios have encouraged an expansion in the dairy herd and continued heavy concentrate feeding, resulting in increased output per cow.

The output-boosting market signals will compete with the disincentives provided in the new dairy legislation, Carman says, but producers will still feel the impact of the deductions.

"Given the 50-cent deduction on December 1 and a second deduction starting next April, the effective returns earned by farmers per hundredweight of milk could decline more than 7 percent from a year earlier by mid-1983," he estimates.

Together, both deductions would cover about $1 billion of dairy program costs in fiscal 1983. Total cost of the program is estimated at $2.3 billion, the same level as in 1982.

Meanwhile, CCC dairy inventories are at record levels and still rising. The government now owns about 400 million pounds of butter, 800 million pounds of cheese, and 1.2 billion pounds of nonfat dry milk. Measured on a milk-equivalent, fat-solids basis, that comes to more that 16 billion pounds in CCC dairy inventories.

These inventories are growing faster than they can be distributed through restricted sales and USDA donations (school lunch plans, cheese giveaways, and other programs). CCC dairy stocks rose about 2.5 billion pounds in fiscal 1981 and 6.4 billion pounds in 1982. Another 5.7 billion pounds may be added to inventories in the current 1983 fiscal year, bringing total stocks to about 22 billion pounds.

However, if the deductions cause dairy farmers to cut back on production, net additions to inventories and dairy program costs would drop substantially in fiscal year 1984.

When will inventories start moving in the opposite direction—down? That depends on dairy farmers' production decisions, growth in domestic demand, and the success of programs designed to spur dairy product exports.

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250 attend Chemgro annual winter meeting

SMOKETOWN — More than 250 attended the annual winter meeting of the Chemgro Fertilizer Co. held last Thursday at the Good N' Plenty Restaurant, Smoketown.

In addition to an explanation of the latest developments in fertilization and herbicide practices, the attending farmers from Lancaster and surrounding counties were told the past year's top winners in Chemgro's 200 Corn Yield Club and were given the rules for the coming year's contest.

Top corn grower in last year's contest was John Z. Nolt, Lititz, with 258.1 bushels per acre.

Other growers in the top 15, as listed by Woody Funk, of Chemgro, East Petersburg, were:

Wilmer Martin, Honeybrook, 241.9; Marvin Witmer, Lititz, 239.3; Pine View Acres, New Danville, 238.1; Walter Martin, Blue Ball, 236.8; Burkholder Bros., Lititz, 236.4; Kermit Rohrer, Mountville, 234.6.

Also, Stephen Bennitch, Newmanstown, 230.5; Sam Martin, Compass, 229.4; Earl Huber, Conestoga, 228.9; Irvin Eberley, Compass, 228.5; Paul Newcomer, Mount Joy, 228.3; Nelson Wenger, Manheim, 223.7; James Hess, Lititz, 223.3; Elmer Sensenig, Lancaster, 220.7.

Funk also listed some similarities in the farming practices of some of the top growers:

All plowed down their fertilizer in the spring, half with moldboard and half with chisel.

They worked the soil when it was just right – not too wet.

They worked the ground at least twice and sometimes three times after plowing.

Planting ranged from the last of April to May 12.

All used medium flat seed corn and claimed they got better germination and stand.

All listed good weed control through spraying and tillage as instrumental in their top yields, according to Funk.

Funk listed the rules for the 1983 contest, including five acres of non-irrigated corn of one variety; contestant must set goal of at least 200 bushels yield and Chemgro establishes the needed fertilization program and a yield check must be made by Nov. 11.

Also speaking at the luncheon meeting was Guy Braxton, of Monsanto.

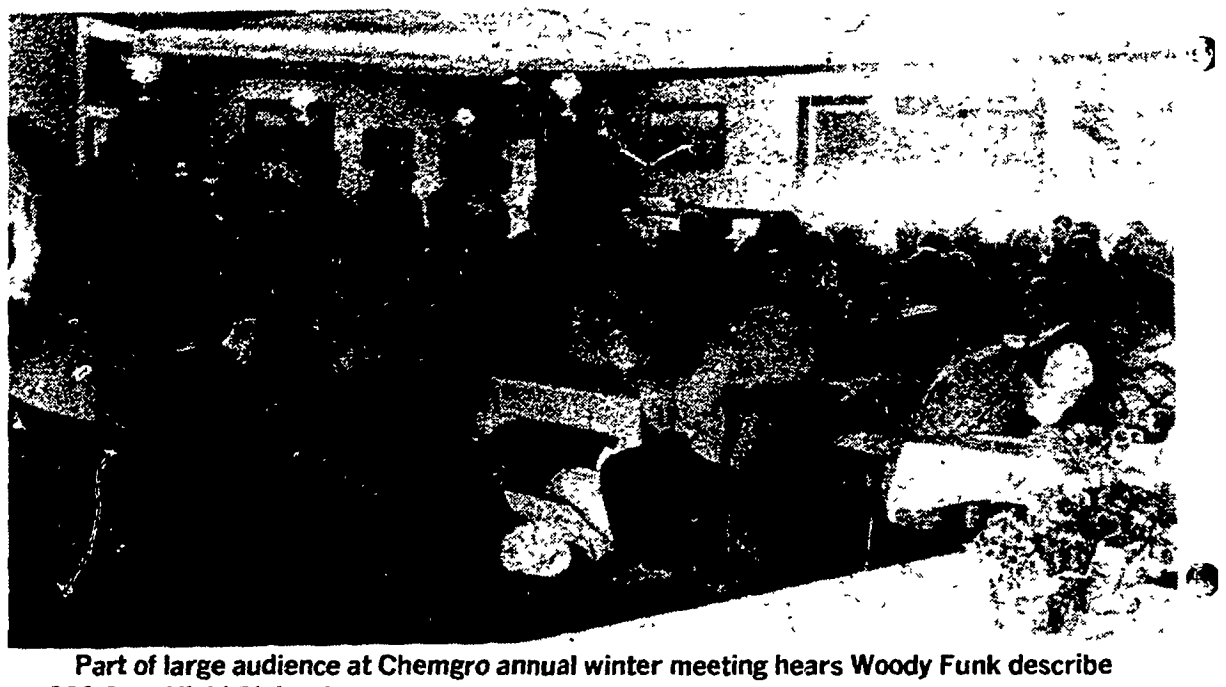
Braxton outlined the principal uses of Monsanto's main herbicides, including Lasso, Roundup, Lasso and Atrizine and Bronco, and the weeds against which they are effective.

He explained that Chemgro will be carrying bulk products and growers of 200 to 300 acres of corn should look at this program.

Also speaking at the session was Jim Bowersox, of Chemgro, who listed important agronomic services available from Chemgro, such as soil test, tissue testing, prompt Ph test, corn consultation and corn contest.

In addition, he listed the company's physical services, such as boom spreader trucks, nozzle improvement for spraying and dry fertilizer impregnation.

Chemgro also has a new corn starter with additional magnesium, which was described as the most limiting factor to top yields in this area.—DA



Part of large audience at Chemgro annual winter meeting hears Woody Funk describe 200 Corn Yield Club rules.

Main speakers at Chemgro annual winter meeting include, from the left, Guy Braxton, of Monsanto; Woody Funk and Jim Bowersox, of Chemgro.

N.J. research yields 108-bushel soybeans

CHICAGO, Il. — New Jersey extension soil specialist Roy Flannery produced 108.6 bushel-per-acre soybeans in his maximum yield research test plot this year, and he hopes to pass along his "secrets" to soybean farmers across the nation.

Flannery has conducted his high yield studies for the past three years, obtaining a yield average of 98.3 bushels per acre. The consistent results that he's noted in his research have led him to believe that 100-bushel soybeans can become a reality.

A presentation entitled "Maximizing Production Inputs for Optimum Soybean Yields" was given Tuesday, Dec. 7, by Flannery before members of the American Seed Trade Association, gathered at Chicago's Hyatt Regency for their national meeting.

Flannery, who has worked on soil fertility research for 30 years, has been doing high-yield testing on soybeans for three years. In 1980, yields were 94 bushels per acre, followed by a 93-bushel yield in 1981. He attributed his success to optimum seed population, narrow row spacing, innoculation of seed with micro- and macro- nutrients, careful insect and weed control, irrigation practices and seed quality. In all three years of his maximum yield research, Flannery has used Asgrow Seed Company's A3127 soybean variety and Hobbit, a semi-dwarf variety, for the past two years. While both varieties are high-yielding, Flannery told the gathering, Asgrow's A3127 has consistently produced 4-8 bushels more per acre than Hobbit.

"We are proud of the role our company's own research and work has played in Roy Flannery's achievement," said William Shapaugh, General Manager of Asgrow International-West. Shapaugh, who is also president of the American Seed Trade Association, introduced Flannery at Tuesday's meeting.

Flannery explained that Asgrow's A3127 variety was chosen for his high yield plot after it performed well in soybean varietal research trials conducted by the extension staff at Rutgers University in New Brunswick, New Jersey.

Flannery planted his 1982 record plot May 12 and harvested it October 11, initially overplanting the crop and later thinning it by hand. The Asgrow variety was thinned about ten days after planting to a population of 149,349 plants per acre; at the same time, Hobbit was thinned to 224,023 plants per acre.

According to Flannery, most of the practices he uses in achieving his high yields could be used by soybean farmers, with the exception of hand-thinning the crop.

Flannery, who is an extension soil specialist at Rutgers University, received his B.S and M.S from the University of [illegible]

Farm Business News

Inter-State names Denver new business manager

SOUTHAMPTON, Pa. - Robert M. Dever, Philadelphia, has been named business manager of Inter-State Milk Producers' Cooperative, Paul E. Hand, general manager, announced today.

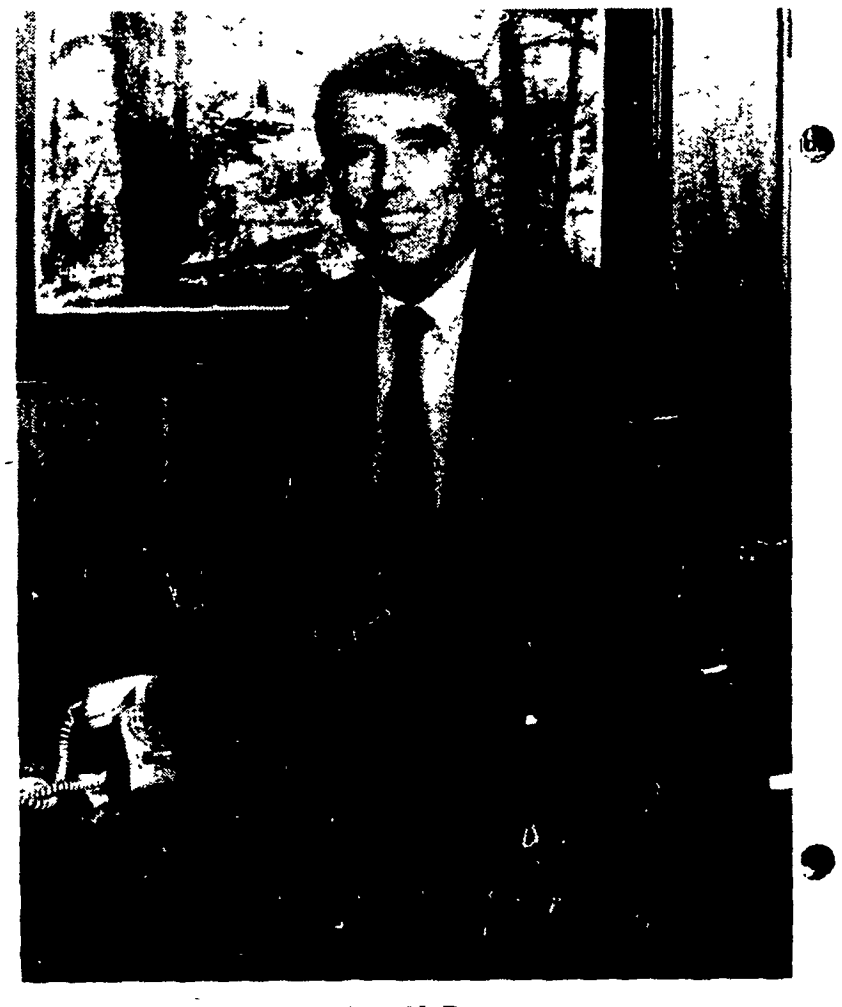
In this new position, Dever will be responsible for coordinating all activities related to selling the 2.45 billions pounds of milk handled by Inter-State each year. He will also oversee the business operations of the Cooperative, Hand said.

"Bob has assisted in sales and has grasped the intricacies of milk marketing during his tenure with Inter-State. His experience in this vital area will help the Cooperative better meet the needs of the members," Hand said.

Dever has been employed at Inter-State since 1970 and was elected treasurer in 1974, a position he continues to hold. Prior to being named business manager, he served as Cooperative office manager.

Dever is a graduate of Drexel University with a bachelor of science degree in accounting and of Temple University with an MBA in management. He worked with the Middle Atlantic Market Administrator for two years prior to joining the U.S. Army, where he served in Korea.

Inter-State Milk Producers' Cooperative represents more than 3,200 dairy farmer families in Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia. The 65-year-old cooperative marketed more than 2.4 billion pounds (279 million gallons) of milk in 1982.



Robert M. Dever

Double crop silage called top dollar feed program

NEW HOLLAND — There's nothing else that even comes close, says Howard Winey of Sperry New Holland. Double crop silage programs are easily the top feed production systems for dairy and beef producers as far north as the winter grain belt. Weed problems are reduced, too.

For most growers, the choice is corn followed by winter barley or other fall-seeded grain which can be harvested the following spring. The trick is to harvest the small grain for silage by corn-planting time. This gives you a feed production herd start on the next season without cutting into the potential corn silage yield at all, says Winey.

Corn silage harvest is early enough to give the barley ample opportunity to become well established before winter. Newer no-till corn planters and reduced tillage grain drills make the program even easier because little or no tillage is required before seeding either the corn or following small grain crop.

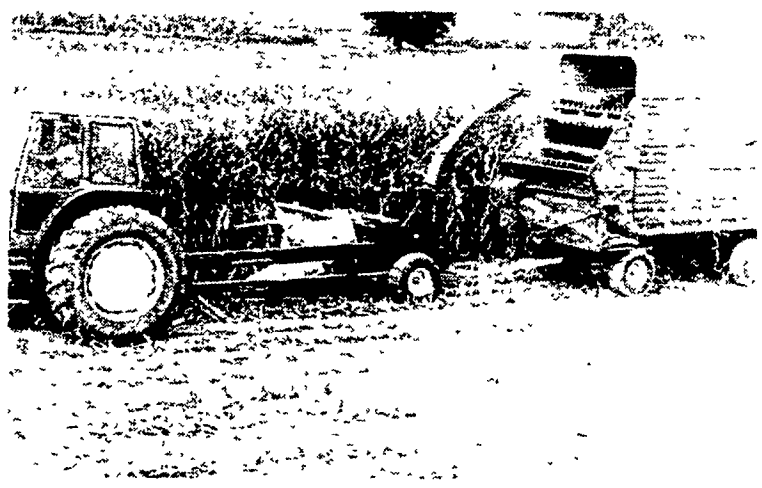
For many dairymen, this harvest timing will put the barley or wheat in the boot or early heading stage when the crop needs removal to make way for the corn that will follow. At this vegetative growth stage the barley or wheat will tend to be low in fiber, high in protein and very digestible. Feeding quality will be comparable with alfalfa haylage if the crop is wilted before chopping.

Feed quality will tend to drop as it matures, says Winey, because fiber content of the stem increases as the grain portion matures.

There are several bonuses when you move to double crop silage, adds Winey. By harvesting the entire plant twice per growing season, you get a chance to get on top of weed problems. Any weeds that have matured seed by ensiling time tend to be sterilized by the fermentation process in the silo. You avoid further fouling the land with a new crop of weed seeds.

There's another potential benefit that's important to intensive livestock producers who are limited in land for manure disposal. Double crop silage systems let you use much higher manure application rates because more of the plant food is recycled back into feed by the removal of two whole-plant silage crops instead of just a single crop. Little or no chemical fertilizer is needed.

It's an important bonus where stocking rates (animals per acre of land) are high. Because it's heavy, you can't afford to move silage over a long distance. The problem of manure hauling falls into the same category. Both considerations point to maximum nearby land utilization. Double crop silage systems handle both problems. They're almost the only feasible solution to the potential excessive salt buildup problem from large manure applications when dairy stocking rates go much past the cow-and-replacement per acre of farming land.



Corn silage harvest is usually early enough for fall-seeding barley or wheat (and even oats in the south). This small grain crop can be removed as silage by corn planting time next spring. It offers livestock producers and dairymen a headstart on their forage production for the year.

Baker heads county ADA

SYRACUSE, N.Y. — Donna Baker of Syracuse, New York has been named as County Promotion Director of American Dairy Association and Dairy Council, Inc., Ralph Lindsey, Jr., ADA&DC Executive Vice President announced this week.

As County Promotion Director, Baker will be working with the county promotion committees and the dairy princess program in New York, New Jersey, and Pennsylvania.

Donna Baker

Baker recently moved to the Syracuse area from New Jersey. She is a 1978 graduate of Clarion State College, Clarion.

Prior to relocating in Syracuse, Baker worked with the New Jersey county promotion program fielded by the ADA&DC, Inc.

Ehrlich staff attends seminar

LANCASTER — The staff of the local office of J.C. Ehrlich Co., Inc., were among 200 pest control technicians and corporate sanitarians who attended a Structural Pest Control Seminar sponsored by the Ehrlich Company in Reading on Dec. 8 and 9.

Information pertaining to the latest to the latest government regulations and scientific pest control techniques were presented by the company's Training Director, Gerald Siegfried, and Dr. Austin M. Frishman. Dr. Frishman is the author of several entomological textbooks and is considered one of the leading authorities on structural pest control in the world.

Also participating were representatives of the Pennsylvania Department of Agriculture. Updated training certificates were issued by the Department of Agriculture representatives as part of the Commonwealth's training and recertification program for licensing of pest control operators.

Attending from the local area were Marti Sams, Herco, Charles Miller, Hershey Medical Center and Mary Pettis, Zausners.

As well as, Barbara Lesher, Barbara Burkholder, Gail Harnish, Eilene Woerner, Rick Book, Rodney Shank, Mike Haldeman, Tony Greiner, John Heiselman, Ricky Knouff, Brian Conklin, Paul Sprout, D. Bruce Wood, Mike Hess, Pam DuPuis, Ray Hallacher, Chuck Geiter, Noah Hurst, Jeff-Allen Edwards, D. Mark Bowman, Nelson Shultz, Bill Weaver, Gary Hostetter, Ray Bennett and Peter Roughan.

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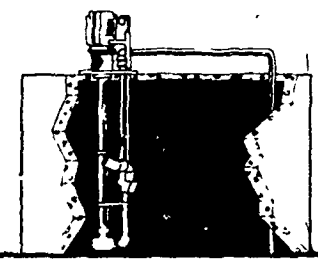

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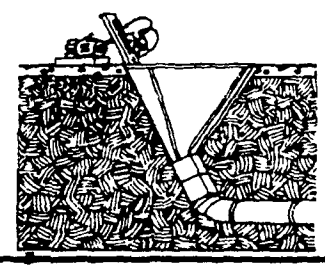

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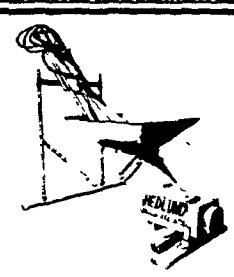

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Legislature approves hydro development incentive, reports REA

HARRISBURG — The Pennsylvania General Assembly has approved legislation that will provide a major incentive to potential developers of small-scale hydroelectric generating facilities in the Commonwealth.

The state House has passed and sent to the governor a measure that would exempt new hydroelectric generating facilities constructed in Pennsylvania from the Pennsylvania Utility Realty Tax Act for a period of ten years. The legislation was introduced by Representative Harry E. Bowser of Erie County and was cosponsored by 55 other House members.

"This incentive will, at long last, encourage the increased development of our cleanest, safest, and most dependable energy resource," Bowser said. "By developing our water power resources," he added, "we will not only be able to provide low-cost energy to consumers, but we will be able to reduce our dependence on expensive imported petroleum."

"Two major impediments, high interest rates and the PURTA tax, have stood in the way of increased hydroelectric development in Pennsylvania," commented William F. Matson, executive vice president of the Pennsylvania Rural Electric Association. The Commonwealth's rural electric cooperative are currently exploring the feasibility of developing several small-scale hydroelectric generating projects in central and western Pennsylvania.

"Interest rates seem to be coming down," Matson added, "and now we've eliminated the burden of the PURTA tax."

Although the fuel used by hydroelectric generating facilities, water, is free, the costs of building these facilities is significant. In actuality, small-scale hydro facilities are more expensive to build than new nuclear generating plants when considered on a dollars per kilowatt of installed capacity basis. It is the free fuel that makes hydro projects feasible. In addition, small-scale hydroelectric generating facilities have an expected life of 75 to 100 years. As a result, investment costs in the projects can be spread out over a long period of time.

The hydro tax incentive measure must be signed by Governor Dick Thornburgh. He has endorsed this concept and is expected to sign the legislation.

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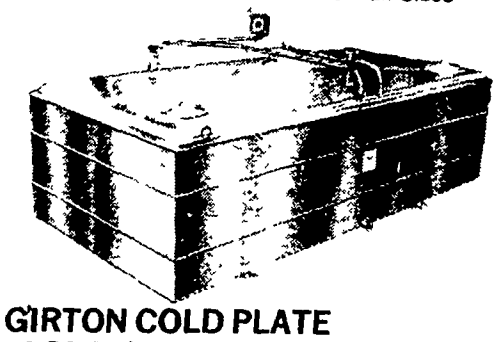

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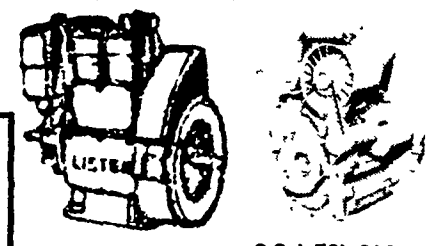

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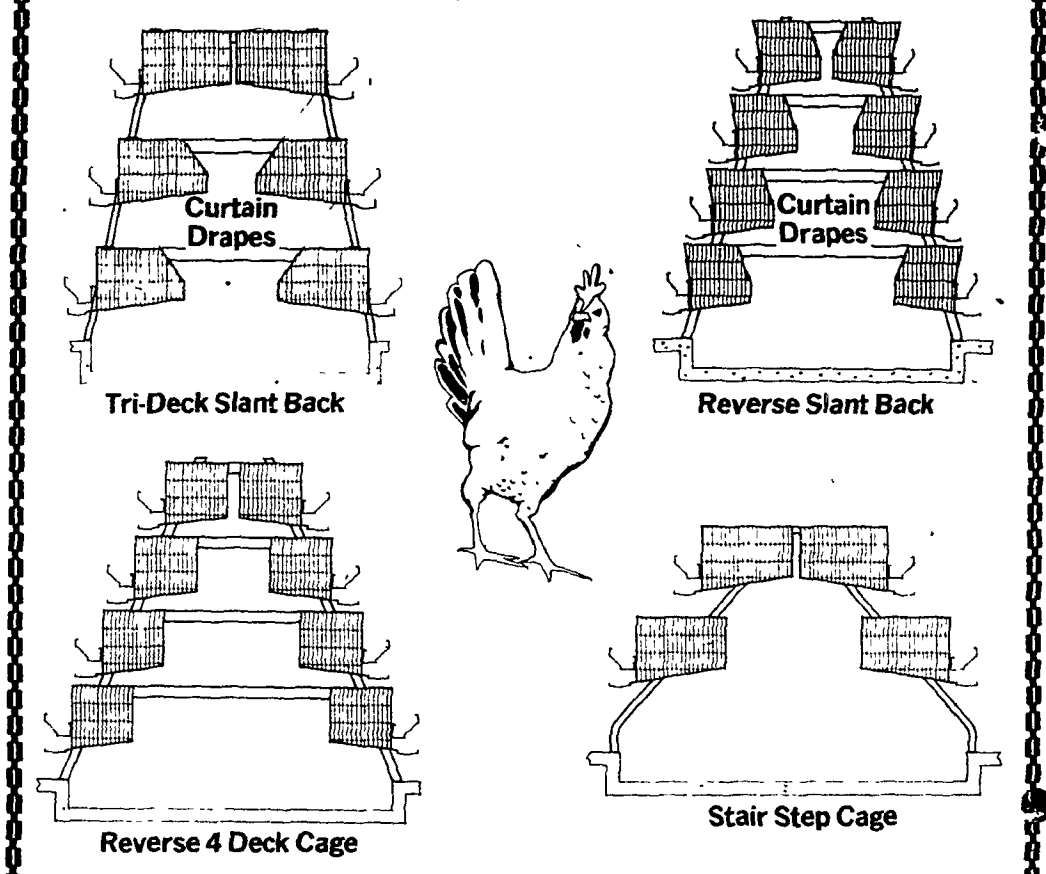

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Chemigation has hidden costs

NEWARK, Del. — For growers who irrigate, applying chemicals through the irrigation system — chemigation — seems like a logical step. It's a convenient way to apply fertilizers, herbicides and insecticides whenever they're needed without extra trips across the field.

At first glance it may seem that no extra equipment is required to chemigate, says University of Delaware Extension agricultural engineer Tom Williams. But the practice requires safety devices that add to the cost considerably.

To avoid polluting the water supply the well casing should be raised 12 inches above the soil surface and grouted with concrete that slopes away from the casing. This will keep any spills in the vicinity of the well from running down the side of the well casing into the ground water.

Next a backflow prevention device is needed between the well and the point of chemical injection. This device keeps contaminated water from flowing back down the well from either backpressing or backsiphonage when the irrigation pump is stopped. Ordinary check valves found in most systems do not provide sufficient protection against backflow, Williams warns.

When toxic chemicals are injected, an ordinary check valve should be replaced with a reduced pressure principle backflow preventer. This device consists of two independently acting spring loaded check valves, and between them a pressure differential relief valve that will prevent backflow even when both check valves are fouled.

It costs between $1,800 and $4,000 in sizes to fit most center pivot systems. Annual operating costs amount to about $2 per acre for the additional energy required to overcome the frictional losses through the device.

The chemical injection pump should be interlocked with the irrigation pump, so that if the irrigation pump stops, the injection pump does also. This prevents filling the irrigation line with chemicals only.

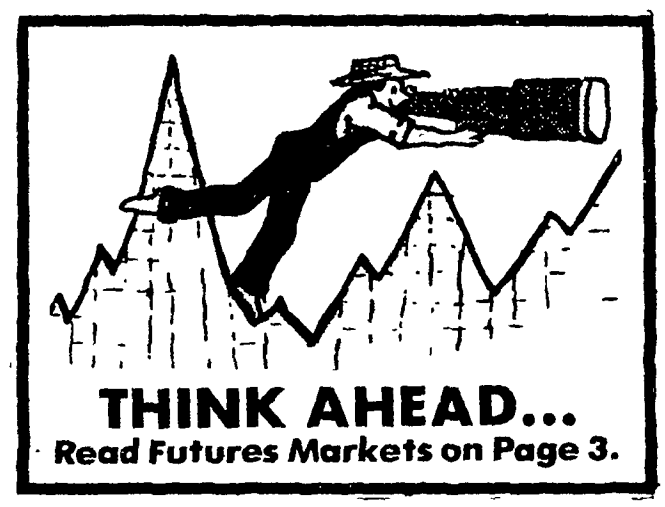
The chemical should be injected into the center of the irrigation pipeline through a check valve that keeps irrigation water from flowing back through the injection pump into the chemical tank, causing an overflow.

A normally closed solenoid valve located in the suction line of the injector pump and interlocked with the pump provides a positive shut-off on the chemical injection line. Neither the chemical nor the water can flow in either direction when the pump stops.

A pressure switch located in the high pressure injection line can be wired to shut down the irrigation system if the chemical tank should run dry.

All materials in the chemigation system including pump seals and valve faces must be compatible with the wide range of chemicals that are injected. Usually stainless steel and Teflon are required. Brass, bronze, copper and most plastics should be avoided.

The total safety package could run to thousands of dollars, Williams points out, but considering the magnitude of the damage and liability that could result from an accient, it's very risky to take chances.



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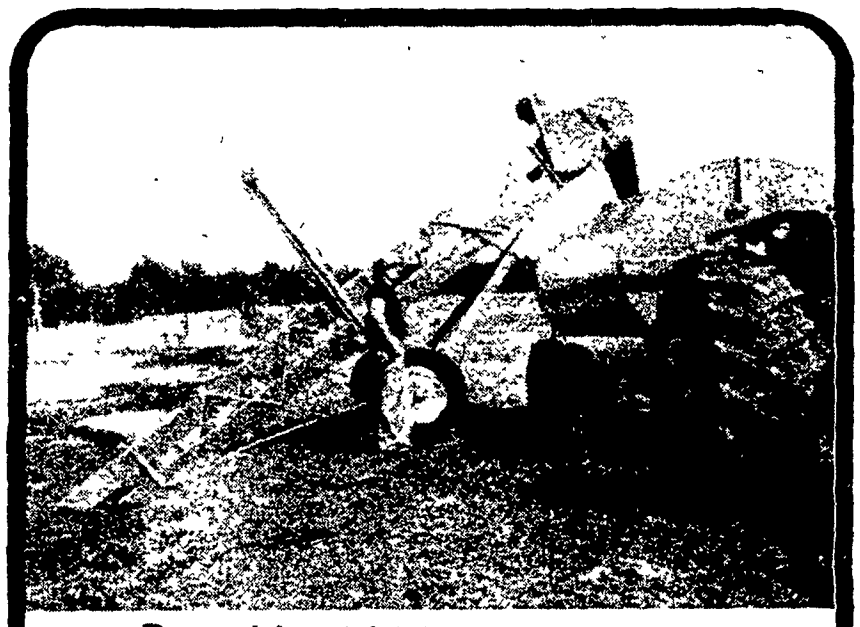

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Del. livestock farmers find money in manure

By Doris Crowley

NEWARK, Del. — Last summer four Delaware farmers saved more than $20,000 growing 350 acres of corn and wheat by using animal manure in their fertilizer programs. One Sussex County grower—Roland Hill of Angola—saved nearly $2,500 on 65 acres using only broiler manure to grow 110 bushel-an-acre dry land corn. Another saved nearly $10,000 on 140 acres using cow manure on his corn. Two Kent County dairy farmers experienced similar savings.

They all did it with the help of Ross Harris, an Extension specialist in environmental quality at the University of Delaware. Harris is convinced that farmers can save money without sacrificing yields by using manure along with commercial fertilizer in their production programs. The trick, he says, is to know exactly what nutrients are in the manure. Then include them in calculations for the total nutrient program, calibrating spreaders to apply the manure at the proper rate.

Nearly 826,000 tons of animal waste with a fertilizer value of more than $14 million are generated annually by poultry, dairy, beef and swine operations in Delaware, Harris says. Until recently most farmers considered this waste a disposal headache rather than a resource. Skyrocketing production costs and depressed grain prices are changing that attitude.

As they struggle to stay in business despite current economic pressures, farmers are looking more closely at all their resources, including manure. Once commonly used in crop production, this material has been overlooked in recent years because of the availability of cheap, convenient commercial fertilizers. Now that these aren't so cheap, manure is starting to look a bit more attractive.

Livestock wastes are rich in crop nutrients, provided they're handles correctly, Harris says. He estimates that the manure produced last year in Delaware contained roughly 7,300 tons of phosphorus worth well over $7 million; 7,200 tons of potassium worth nearly $2 ½ million; and more than 8,600 tons of nitrogen worth well over $4 million. That's enough N to cover 138,000 acres of cropland at a rate of 125 pounds an acre.

Unfortunately, most growers haven't considered the nutrient content of manure when planning their crop fertility programs, Harris says. If any is used, it usually goes on in addition to an already complete fertilizer package.

He says this happens for several reasons. Nitrogen content varies greatly depending on how manure is stored and applied. Manure spreaders can't be calibrated as precisely as other fertilizer spreaders. There's also the question of timing—when to apply animal waste for maximum plant benefit.

Manure is generated year-round in most livestock operations. It must be stored so that nutrient loss (especially nitrogen) is minimized when it can't be spread immediately, either because of the weather, time constraints or stage of crop growth. How animal wastes are applied also affects their worth as fertilizer. Much of the nitrogen they contain is lost if they're not promptly incorporated into the soil. Since few farmers test their manure, application rates usually are a matter of guesswork.

Last spring, with the help of Kent and Sussex County agricultural agents, Harris contacted 23 Delaware livestock producers who wanted to learn how to make better use of the manure generated on their farms. After trying his system—test, calculate, calibrate and incorporate—all 23 were so pleased with the results they plan to do the same thing again next year.

Because Harris worked more closely with some producers than others, he doesn't have a handle on all their savings, but where records are available, the benefits are dramatic.

Take Ernest Vogle, for instance. He and his brother milk about 80 cows a day on their farm near Mastons Corner. They store the manure from the herd in a covered shed with a concrete floor. The system has a four-week capacity. The brothers also have access to poultry manure. Counting rented land, they till 200 acres.

Vogle first heard about Harris' manure management program from one of his neighbors, Dave Hrupsha, who's also in the program. But Vogle didn't meet the specialist until he called on county extension agent Dave Woodward one day last March, looking for help in developing a better crop fertility program.

Woodward introduced Vogle to Harris and the three worked out a plan involving soil tests, spreader calibration and manure incorporation which eventually saved the young farmer $68 an acre on 62 acres of corn for total savings of $4,216. Needless to say, he was delighted.

Another dairyman who's benefited from Harris' program is Robert Biggs. His farm is located on the Canterbury-Milford Road near Felton. A quiet, gentle-faced man with a greying crewcut, Biggs figures he's saved $15 to $17 an acre in fertilizer costs since adopting the specialist's recommendations for using the manure generated by his 175-cow herd.

These savings alone are a strong argument in favor of good manure management. But Biggs also has another reason for wanting to keep close track of what he puts on his crops.

Kent County dairy farmer Ernest Vogle chats with Extension specialist Ross Harris, right, during a recent farm visit. Harris helped Vogle save more than $4,000 last summer fertilizing field corn with cattle manure.

During the 1980 drought, his heavily vertilized corn crop was badly zapped. As plants withered, nitrates destined for developing ears were stranded in the rest of the plant. Silage made from this corn contained high levels of these nitrates, but nobody discovered this until after he'd begun feeding it to his cattle. Over a six-month period, one valuable animal after another sickened and died. Eventually Biggs lost 53 cows—a tragedy he wouldn't wish on his worst enemy.

The rest of his cows have since recovered and he's building his herd back up. But it hasn't been easy.

"Things got so tight I knew I had to be conscious of the things I had," he says. So last April he went to Woodward who encouraged him to ask Harris for help in putting his manure to better use.

"Last year I put manure anywhere I could," Biggs says. "But this past summer I've been very conscious of it. We feel real dependent on you," he told Harris during a recent farm visit, as the two men talked about what could be done with the 215-ton mountain of high-nitrate silage still sitting in a bunker silo.

"I look on that as 215 tons of heartache," he said. "I don't mind talking about what happened to me if it will help other farmers avoid the problem on their farms."

Biggs is a much more cautious manager, as a result of his experience. "I think we need more soil tests," he says. "Then we need to work the manure in with them." Pointing to his good silage he says, "I have this feed tested every 30 days. It costs me $11. That's cheaper than a cow."

He stores the manure from his herd in a semiliquid state in a sealed underground tank. Right now he only has a 30-day storage capacity. In time, he hopes to expand that to seven months.

Harris helped him get the manure tested for nutrient content, showed him how to calibrate his spreader, and with Woodward, helped Biggs work the manure into his cropping programs for wheat and corn. Last summer Biggs got 44 bushels of wheat an acre on a 9-acre test plot. He also used some manure on part of his corn acreage, chiseling it in immediately to prevent nitrogen loss. He plans to treat more acreage this way next year.

Woodward and Harris also showed him how to salvage his high-nitrate silage by using it as fertilizer. At 2,000 parts per million it contained 5 pounds of nitrate nitrogen per ton, plus phosphorus and potassium, giving it a fertilizer value of $57 an acre. Applied at a 4-ton rate this fall on 54 acres of rye, Biggs saved himself more than $3,000.

As word gets around, Harris expects to hear from more farmers anxious to cut production costs by putting their manure to better use. He can be reached through the county Extension agents in all three Delaware counties.

Felton dairyman Robert Biggs and Extension specialist Ross Harris, right, calculate application rates for farm wastes to be used as fertilizer. Last summer Biggs saved $15-$17 applying calibrated rates of lab-tested manure on corn.

Egg producers stage protest rally in Washington

WASHINGTON, D.C. — Egg producers from Pennsylvania and the rest of the Northeast joined their counterparts from across the U.S. in a rally on the west steps of the nation's Capitol last Friday. Almost three dozen strong, the egg producers were in Washington to "dramatize export problems confronting American egg producers," reports Charles O'Reilly of the Northeast Egg Producers' Association.

The producers were reacting to the strong support they have received from North Carolina senator, Jesse Helms, chairman of the Senate Agriculture Committee. Helms has called for agricultural export aid for the egg producers who are facing a crippling 50 percent drop in egg exports since last year.

The national egg producers' organization dispatched its producer representatives to call on each member of the Senate and House agriculture committees last Friday. Their mission was to ask that U.S. Secretary of Agriculture John Block be pressed for a share of federal funds available under Public Law 97-253. Sen. Helms has taken a firm stand urging Block to take action immediately, reports O'Reilly.

This financial support would help American eggs compete in export markets now dominated by government subsidized eggs offered from the Common Market countries — some of which are receiving government assistance at levels as high as 11½ cents a dozen, O'Reilly adds.

The egg producers left the legislators with their own unique "calling cards" — two dozen fresh large Pennsylvania eggs were given to each one, along with a press kit. These eggs, provided by Dutchland-Weaver Organization of Lancaster, also were distributed to appreciative onlookers at the Capitol steps as the egg producers spoke on the difficulties of selling eggs in the export market.

Al Pope, president of United Egg Producers, in a statement to the rally, pointed out that the sharp drop in egg exports continues to cause troublesome backup of products in this country. He said his organization feels compelled to press for a share of assistance for eggs through implementation of the UEP plan that Sen. Helms has endorsed. Helms has called for the use of some $13 million out of $75 million still available in the assistance fund.

Pope said his producers are convinced that timely use of this modest amount could present a stern example to the world that we are willing to "fight fire with fire on the ag export scene now that the GATT talks have fallen flat. UEP is convinced that if Secretary Block moves in timely fashion much can be accomplished."

Included in the groups making the trip to Washington last Friday were members of the regional cooperatives of UEP-NEMA, National Egg Company, Midwest Egg Producers, and West Coast Egg Producers. Also members of New York's SPICE organization, the Pennsylvania Poultry Federation, and the Pennsylania Farmers' Association joined in the rally, reports John Ricca, president of NEMA.

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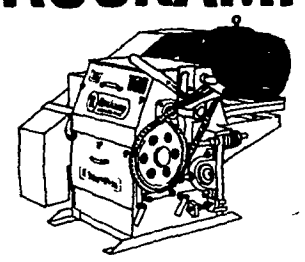

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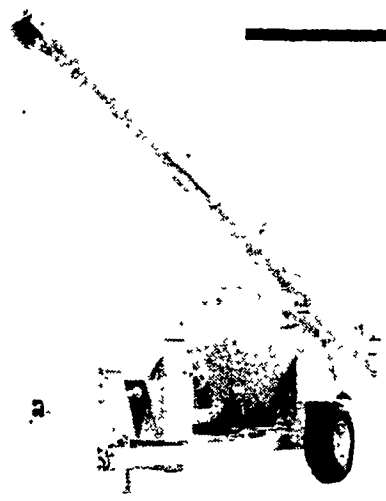

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Pa. corn growers have new weapon to battle black cutworm

NEW YORK, N.Y. -- From an obscure beginning in a few isolated cornfields in Pennsylvania three years ago, the black cutworm (Agrostis ipsilon) has increased in both presence and pressure to become what many experts believe to be the greatest single threat to field corn production in the state.

Although the heaviest infestations of the black cutworm are located primarily in large 'pocket' areas in the southern half of the state, damage from the pest has also been reported in the northern half of Pennsylvania.

The black cutworm caused 50 to 80 percent damage to field corn on about 5,000 acres in the state last year. Since the pest is a relative newcomer to the area, northeast pest experts are having to learn more about the black cutworm and find effective measures to control it.

"We have found that some materials we have tried as rescue treatments gave us adequate control of the pest, but many standard control materials were completely ineffective," explains Penn State Entomologist Stanley Gesell. "We're still in the trial stage of establishing an effective measure to suppress the black cutworm."

Pennsylvania field corn producers will have an opportunity to take advantage of a new insecticide to help battle the black cutworm. Pydrin Insecticide recently received federal registration from the Environmental Protection Agency for use on field corn for cutworm control. Primarily used in cotton pest control for the past several years, the Shell Chemical pyrethroid can now be used by corn growers as a new weapon to help battle the black cutworm.

"At present we have not tested the pyrethroid in our trials, however, data I have received on it for cutworm control looks promising," Gesell contends.

The black cutworm destroys corn long before another corn pest — the corn rootworm — becomes active. Cutworm larvae, when about one half inch long, feed on the plants just above, or a short distance below the surface of the soil. Most of the plant is not consumed, merely eaten enough to cause it to fall over.

Although considered unpredictable, the black cutworm does follow a distinctive pattern. The pest develops three or more generations each season. Many eggs are laid by moths that fly in from the Gulf Coast States and also from local populations in April and May for the first generation, usually before corn is planted. It lays its eggs singly or a few together on the leaves or stems of weeds, often in low-lying weed infested areas. The larvae is shiney gray to brown with faint lighter stripes. Its skin is very coarse and granulated.

Some entomologists feel that reduced tillage programs result in weeds and debris which attract egg-laying moths and provide a place for larvae to survive.

"This could be the case in some situations," Gesell points out. "However, I have also seen 50 to 80 percent damage from the pest in conventionally tilled corn fields." Gessell adds that wet soil attracts the pest. "The cutworms prefer cool, moist soil, so when scouting for the pest if the soil surface is dry, dig down several inches around the plants."

Gesell explains that it is not difficult to find black cutworm damage. Look for plants where emerging corn is cut off at ground level. The black cutworm can level corn plants up to two feet tall.

"When the soil is dry, treatments are generally ineffective" he says. Because the pest prefers moist soil, it remains and feeds underground where it is next to impossible to reach with pesticides."

In fields with a history of cutworm damage Gesell says that growers should consider a preplant or an at planting soil insecticide. "Field scouting is critical to establish the presence of the black cutworm. Fields should be checked at least once a week when moths begin to fly in and increase field monitoring to two or three times each week during the cutworm season."

If cutworm larvae is discovered shortly after the corn is planted, a rescue treatment should be used with a material such as Lorsban, Parathion, PennCap M or Pydrin, now that it has become available for cutworm control.

Under Pydrin's new federal registration growers may apply the material by either air or ground rig. Treatments may be repeated as necessary to maintain thorough control, however no more than two sprays should be made per season. The material may be applied up to 60 days prior to harvest.

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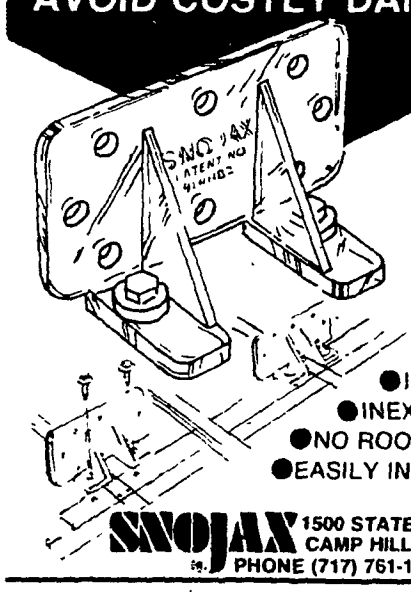
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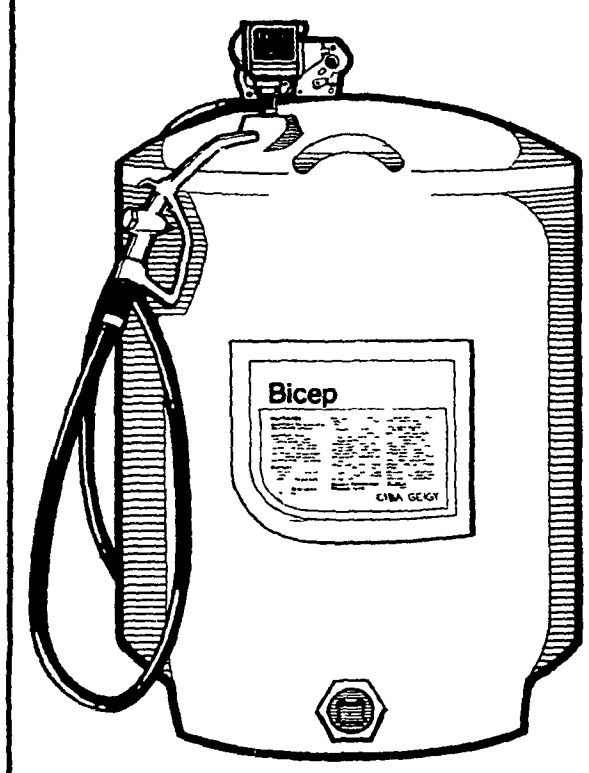

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Beltsville scientist mobilizes bug-eating bugs

TORONTO, Can. — A U.S. Department of Agriculture scientist has proposed a novel battle plan against insect pests that's safe for the civilian population.

Most people recognize the ladybird beetle and praying mantis as a blessing to farmers and gardeners. Few ever heard of the spined soldier bug. But this half-inch-long North American native quietly feeds on more than a hundred other insects — including some of the most devastating pests, like the fall armyworm, the cotton bollworm (alias corn earworm), and the gypsy moth.

It's the bug's lack of discrimination in its eating habits, however, that has kept it from being drafted for active service in the perennial war against crop pests. That may change.

A U.S. Department of Agriculture scientist has developed a chemical attractant that could mobilize the soldier bug to infested gardens or fields. Insect physiologist Jeffry R. Aldrich of USDA's Agricultural Research Service predicts that gardeners or farmers could treat infested areas with the attractant and thereby lure the bugs to feast on pest insects.

Aldrich reports that he trapped more than 1300 male and female spined soldier bugs throughout the summer of 1982 with the potent attractant. A total of only 55 bugs entered traps baited with live males — the sex which secretes the attractant but in tiny quantities. What's more, the attractant is a blend of five relatively simple compounds, all of which are commercially available. It is easy and inexpensive to make, he said.

Aldrich, who conducts his research at USDA's Agricultural Research Center in Beltsville, Maryland, discussed the potential for the attractant — called a pheromone — here at a combined meeting of the Entomological Societies of America, Canada and Ontario.

An increased awareness of the dangers of contaminating our environment with insecticides combined with their rising costs have prompted scientists to "intensify their efforts to develop safer and cheaper methods to combat insect pests.

"One of the most promising new approaches has been to make artificial scent mixtures which mimic insects' own odors and use these pheromones to trap the pests or interfere with their reproduction," he said.

While there are over 200 man-made pheromones for a variety of pest insects, Aldrich said, this is the "first man-made pheromone that attracts an insect predator, and the first such pheromone for any of the group of so called 'true bugs' comprising the insect order Hemiptera."

Aldrich pointed out that there is an important distinction between the use of pheromones of pests and predators. "Pheromonal control of pest insects usually has a delayed effect that depends on killing the adult insect or preventing it from reproducing; by contrast, using pheromones to increase the predator population in an infested field or garden would have an immediate impact."

In the case of the spined soldier bug, Aldrich explained, the impact would be on the economically important stage of the pest population. Although the bug is not very choosy in its selection of insect species, it does prefer the larvae (caterpillars) which generally are the most damaging to plants.

Aldrich proposes that the pheromone could be used in several other ways. Spined soldier bugs could be lured away from a pest-infested field before insecticides are sprayed, thereby rescuing the natural population of bugs so that they can combat a subsequent buildup of pest insects.

In addition to trapping spined soldier bugs, the pheromone attracted a much greater number of flies that parasitize the bug. The pheromone might be used to lure only the flies into a specially designed "death trap," Aldrich said, again to increase the population of soldier bugs ready for combat.

One of the fly species also parasitizes pest insects. Aldrich pointed out that the pheromone could serve to mobilize both soldier bugs and parasitic flies to an infested field for a two-pronged attack against crop eating pests.

Another potential twist with the pheromone involves germ warfare: trapping soldier bugs, contaminating them with a disease organism that infects a specific pest, then releasing them to spread the disease in pest-infested areas.

Such manipulation of insect predators and parasites is a novel approach, says Aldrich, "and may be a harbinger of our future battle strategies in the never-ending conflict between man and insects.

ASA urges passage of sanctity amendment

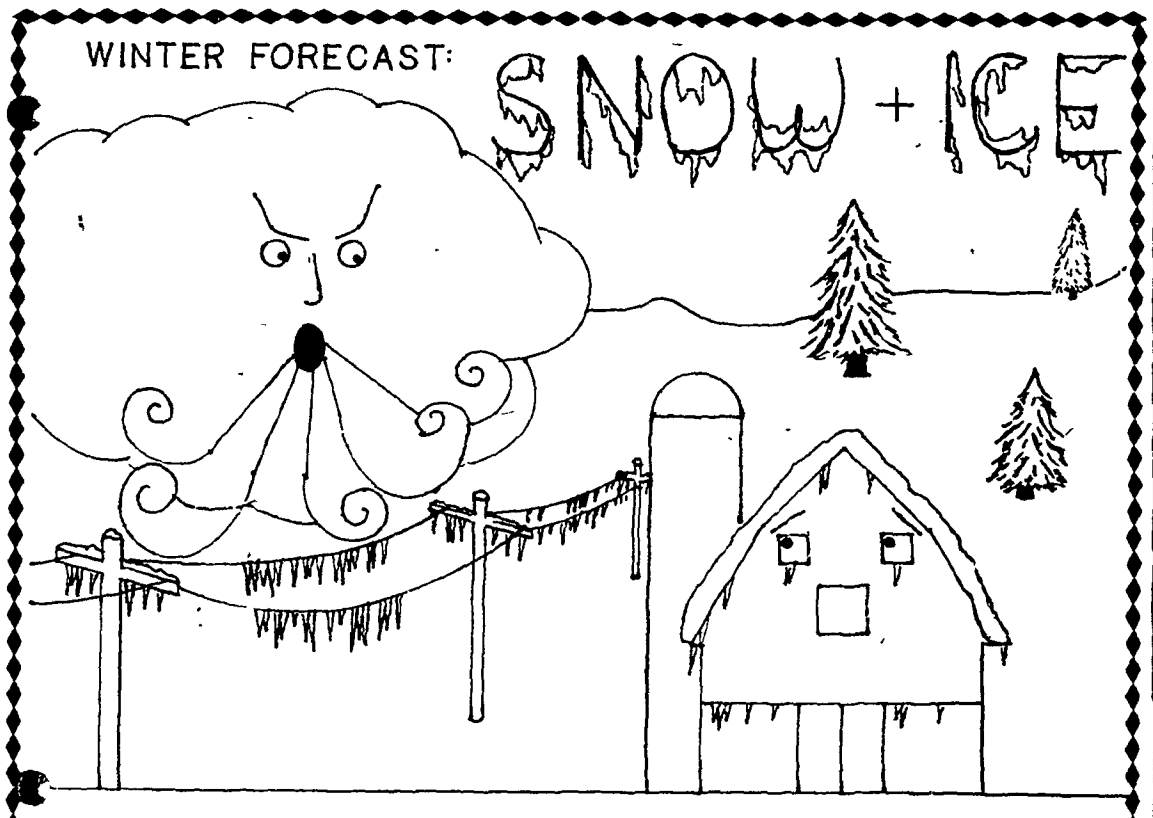
ST LOUIS, Mo. — American Soybean Association President B. B. Spratling, Jr. has called on soybean farmers to contact their U.S. Senators and Congressmen to urge passage of the contract sanctity amendment to the CFTC bill.

"Passage of this bill is absolutely essential if we are to end economically devastating embargo threats and restore U.S. credibility as a reliable supplier," says ASA President B.B. Spratling, Jr. "Soybean farmers will be watching their congressmen to make sure that promises to support contract sanctity made before the election are not forgotten."

The anti-embargo contract sanctity amendment is attached to a reauthorization bill for the Commodity Futures Trading Corporation. In a mailgram to soybean association state presidents, Spratling urged soybean leaders to contact congressional members of the CFTC conference committee.

The Senate approved the contract sanctity amendment before the election recess. It must clear a House-Senate conference committee before final approval.

Anti-embargo contract sanctity legislation is part of a 4-point emergency sales program the American Soybean Association has developed to help boost soybean income.



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What became of "Green Revolution" wheat

ANAHEIM, Ca. — Plant varieties developed for ideal soil conditions are like incubator babies, said U.S. Department of Agriculture soil scientist, Charles Foy. "They thrive inside the incubator, but cannot tolerate the stresses of the outside world."

A famous example is the Green Revolution wheat variety, 'Sonora 63', which produced high yields in the U.S. but could not tolerate the high acidity of Brazil's soils, said Foy of USDA's Agricultural Research Service.

In acidic soils, the aluminum and manganese dissolve and cause the roots of sensitive plants to become stunted. These deformed roots are inefficient in absorbing nutrients and water.

Economically important crops like wheat, oats, barley, and soybeans are sensitive to acid soil problems. Other plants, like blueberries, cranberries, and azaleas, need acid soil conditions to thrive.

At a meeting of the American Society of Agronomy, Foy said, "Tailoring a plant to fit the soil may be more economical than changing the soil to fit the plant. New crop varieties can be developed by plant breeders for areas with very specific problems.

"We know that plant varieties differ in their tolerance of aluminum in acidic soil," said Foy. "For example, 'Sonora 63' was compared to the wheat variety, 'BH 1146,' under acidic conditions (pH below 5). The 'BH 1146' grew much better than 'Sonora 63.' But with less acidic conditions (pH above 5) the growth of the two types of wheat was about the same."

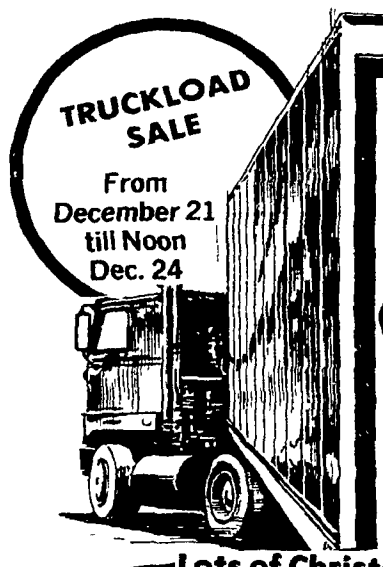
Some varieties of snap-beans, cotton, tomato and barley can withstand the aluminum in toxic soils better than others. These tolerant varieties may also produce high yields in soils without high levels of aluminum, according to Foy.

Aluminum-tolerant plants can produce chemicals that decrease the acidity around the roots, and this lowers the amount of aluminum dissolved in the soil. Conversely, some aluminum-sensitive plants increase the acidity of the soil, and are exposed to higher concentrations of aluminum for longer periods.

Soil acidity can be neutralized by the application of lime. But some soil conditions are not economically correctable, for example: acid subsoil layers; strongly acidic mine spoils; steep pasture lands; many soils of the tropics; soils polluted with heavy metals; and wet, dry, and perhaps even hard soils.

Acid soil injury, particularly due to aluminum, can be mistaken for nutrient deficiency, drought, herbicide injury, low temperature damage, or plant disease. Aluminum toxicity in subsoil layers is particularly harmful, Foy said, because it causes shallow rooting, drought susceptibility, and poor use of subsoil nutrients.

"Modification of the soil to achieve optimum conditions has been profitable in the U.S. where lime, fertilizers and fuel were relatively cheap. However, in many parts of the world this approach has never been very practical. Even in developed countries of the world, concerns about conservation of resources and environmental pollution are causing a re-examination of agricultural practices," said Foy. "In these cases, breeding plants to thrive on problem soils may be more economical than changing these soils to optimum conditions."



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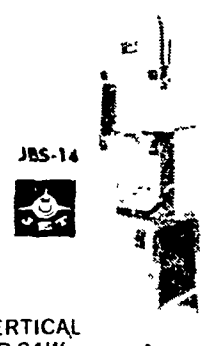

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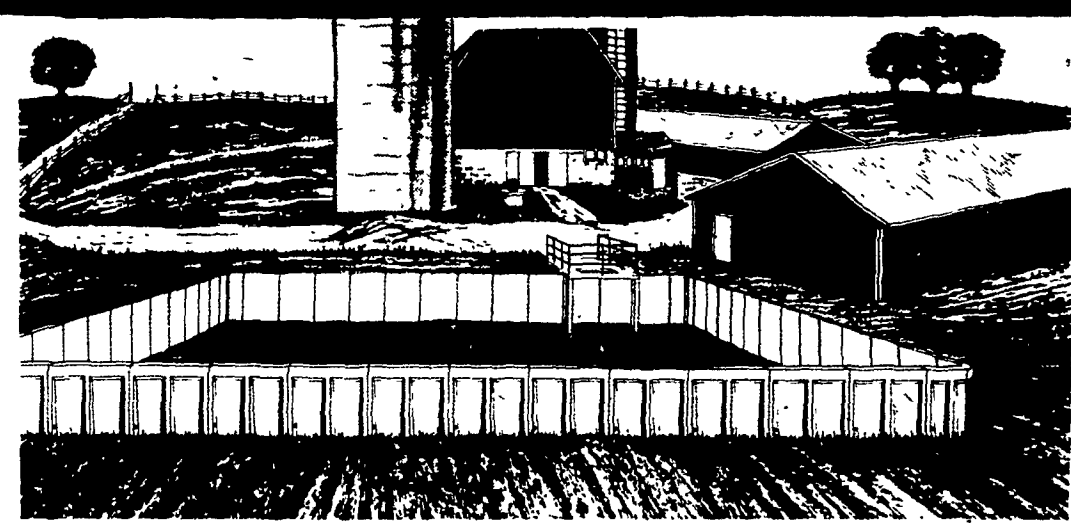

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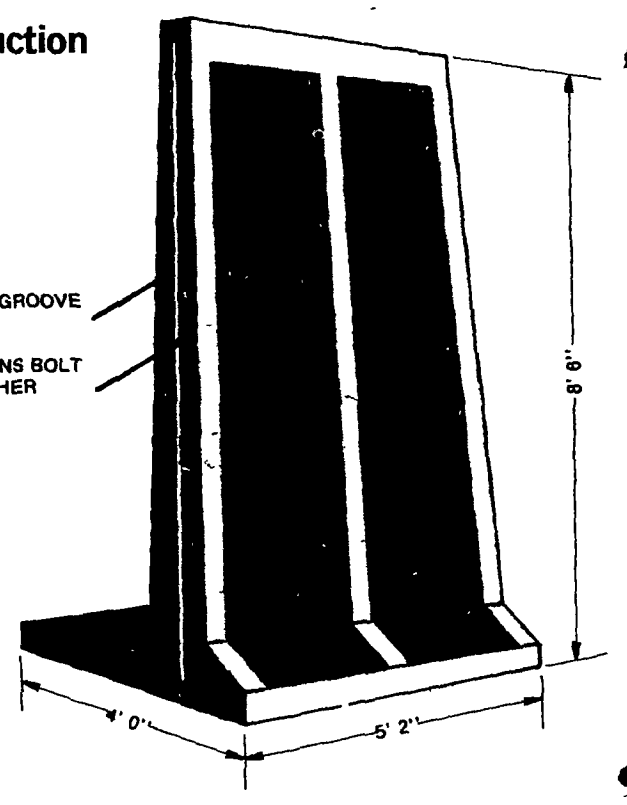

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NCFC launches market enhancement trade proposal

WASHINGTON, D.C. — The National Council of Farmer Cooperatives' Blue Ribbon Trade Committee today proposed a Market Enhancement Program which would give the Secretary of Agriculture authority to use existing CCC stocks to encourage additional commercial export sales.

Speaking for the committee, Chairman Bill Gaston of Gold Kist, Inc., Atlanta, said, "In many markets, the U.S. has experienced a loss in its market share due to inequitable trade practices. This program represents an attempt to regain and enhance U.S. farm exports in these markets."

Under the NCFC proposal, the Secretary of Agriculture would establish export targets for each of the major importers of U.S. agricultural commodities. Once the export target is reached, the Commodity Credit Corporation would begin to grant bonus certificates to importers for each dollar of product they purchased above the export target.

The bonus certificate, in turn, would be used by the importer to purchase additional quantities of the commodity from the CCC inventory. In addition, the program would include authority for the Secretary to issue bonus certificates for commodities not currently in CCC inventory — such as poultry and raisins.

NCFC President Gary D. Myers presented the plan recently to the Senate Agriculture Committee. Myers called the Market Enhancement Program "just the program we need to offset the unfair trade practices of many of our competitors."

Myers declared that the Administration will continue to be unsuccessful in its negotiations with Europeans because the U.S. is bargaining from a position of weakness. "The Market Enhancement Program" he added, "would give the U.S. a tool to counteract the EC's export refund and provide a basis for bringing the Europeans to the negotiating table."

Myers said the NCFC plans on making this program a major priority during both the remainder of the lame duck session of the 97th Congress, and in the first session of the 98th Congress.

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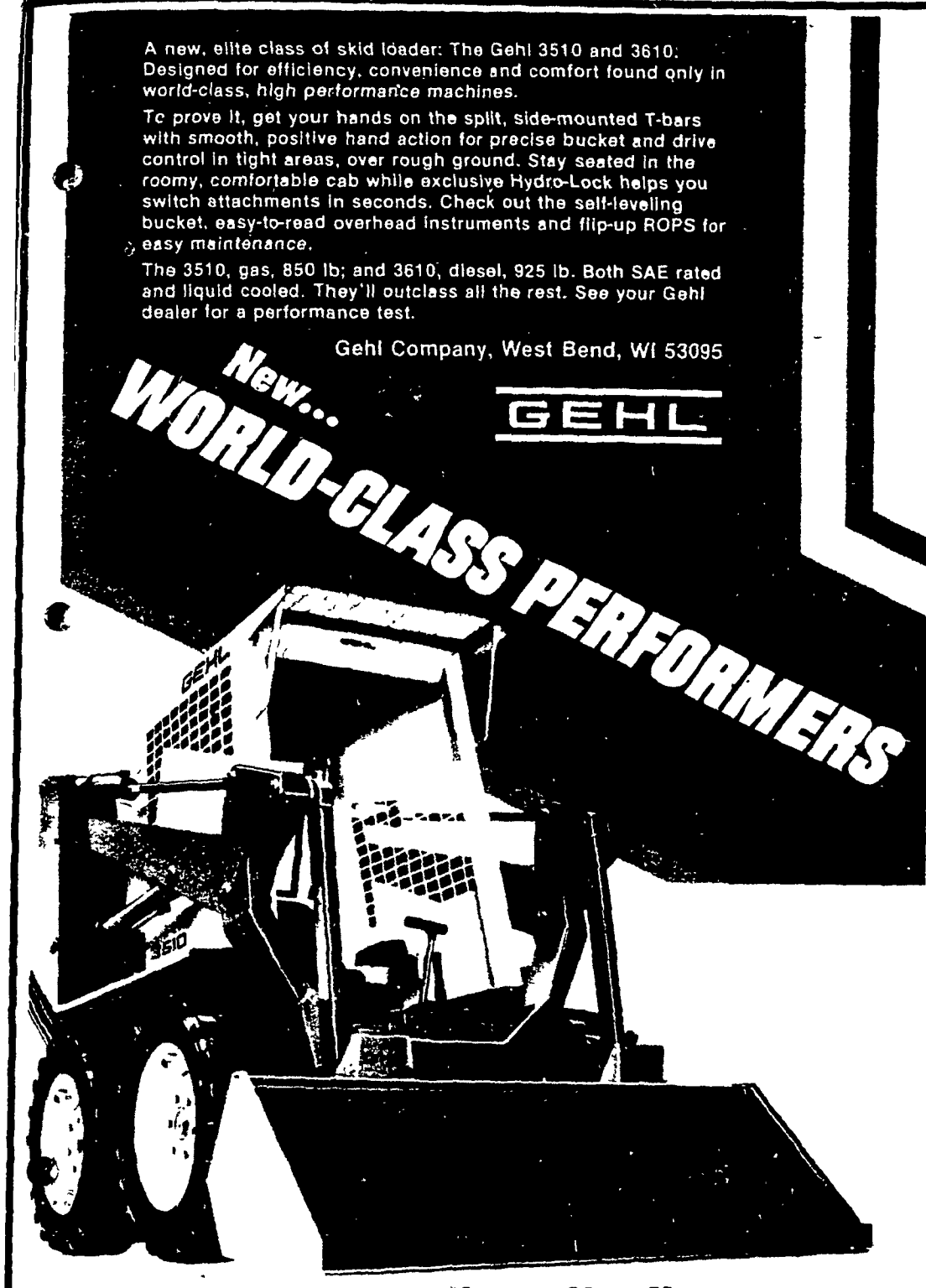

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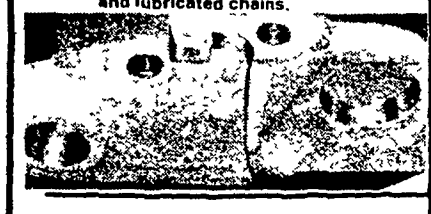

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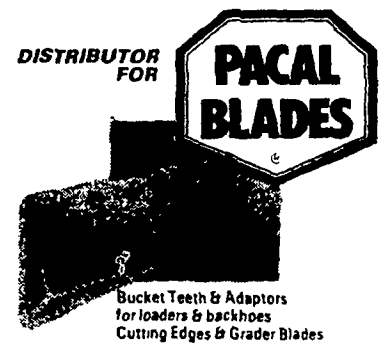

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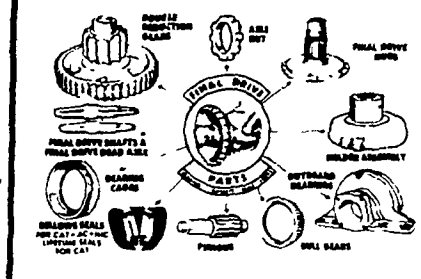

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Farm Talk

Jerry Webb

Difficult times

America's farmers are going through a difficult period. There's no question about that. Evidence is everywhere.

Farm foreclosures are on the increase. Money lenders are having trouble collecting from farmers. Farmers are spending less money for equipment, supplies — even family living expenses are being reduced. And the outlook calls for low farm prices, increasing bankruptcies, and a continuing struggle for American farmers during the months ahead.

Bin-busting harvests this fall have done little to ease the problem, as those yields have only depressed commodity prices further. And while everyone waits for the Russians or some other foreign buyer to bail out American farmers with big purchases, the realities of farming must be faced. It's a risky, difficult business, with plenty of opportunity for failure.

In general, farmers are in no mood for a lecture. But there are some lessons that can be learned from the present hard times, according to M. L. Walden, who is an Extension economist at North Carolina State University. He says farmers have faced hard times in the past and they'll probably face them again in the future. But a hard look at the current situation might ease the burden should such an economic squeeze occur again.

Walden says that high interest rates are a serious consideration in the present problem; and he adds that the main cause behind those high and rising interest rates over the past decade has been high and rising expected inflation rates.

In general, the economist says, the interest rate necessary to attract and loan money averages three or four percent a year. But when inflation is continually eroding the value of the dollar, the lender knows the dollars repaid a year or several years in the future will be worth much less. So an inflation premium is charged which is simply added to normal interest rates. If the lender expects the inflation rate over the loan period to be 10 percent, a 10 percent premium is added to the three or four percent normal rate of interest. That results in a 13 or 14 percent interest rate. As long as lenders expected high and rising inflation, they built in a margin that provided some protection.

Farmers themselves are aware of this phenomena. Any of them with mortgages dating back 15 or 20 years know about four and five percent interest money. And yet, their current operating loans are made at 12, 15, and even 20-percent interest.

The inflation rate in the past few months has taken a decided downturn, and that sould affect the cost of money. Here again, lenders anticipating a lower rate of inflation should be willing to settle for a lower yield on their money.

Walden cautions farmers to be especially careful about borrowing at high, nominal interest rates during this time when federal economic policies are being altered to reduce inflation.

The economist notes there's a second lesson that farmers can learn from the current situation, and that has to do with the recession. He says inflation occurs when spending in the economy grows faster than the quantity of goods and services produced. Growth in spending is strongly related to growth in the amount of money supplied to the economy by the Federal Reserve System. So, when the money supply growth rate exceeds the growth rate for goods and services produced, inflation results.

Walden says to reduce inflation, the Federal Reserve must follow a policy that reduces the rate of growth of the money supply, and brings it more in line with the rate of growth of goods and services produced in the economy. And that's where we get a recession.

It occurs, he says, when the output of goods and services does not increase for a substantial period. The slowdown in the money supply growth causes a reduction in the growth of credit, and this leads to higher interest rates and reduced business and consumer spending. Inventories increase above desired levels, resulting in production cutbacks, worker layoffs, and more weakening in consumer demand. And so the entire economy slows down.

Another predictable result is the strengthening of the dollar in exchange for foreign currencies. U.S. goods thus become more expensive to foreigners, and that slows down exports. Perhaps the only benefit that can be found in a recession is that inflation decreases.

The key to ending a recession and to economic recovery is for businesses and consumers to become convinced that inflation will be lowered in the future. Walden says this happens only when there is a conviction that the Federal Reserve will not revert to policies that lead back to inflation.

In the simplest of terms, Walden says a recession is a transition period from high to low inflation rates. It is a painful period for many, including farmes, who usually find weak demand for their produce and low prices. And, of course, coupled with bumper crops, the results for some are devastating.

As in other periods of adjustment, the strong will survive to take advantage of the post-recession boom; the weak will be squeezed out. It may not be fair, but it's an economic fact of life.

There is some sentiment nationally that says a lot of farmers who are in trouble are the ones who tried to grow too fast. They're described as being greedy, gobbling up everythink they could at a time when the economy was booming. In the process, they spread themselves too thin, became less efficient, borrowed too much, and overtaxed their managerial abilities. Now they are feeling the crunch and there is plenty of sentiment that those

(Turn to Page D17)

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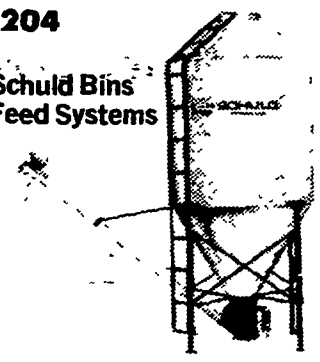

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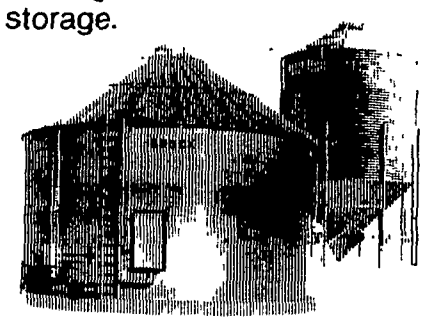

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Block suggests Extension can help in surplus distribution

WASHINGTON, D.C. — Help in setting up and carrying out state plans to distribute surplus dairy products was suggested to governors recently by Secretary of Agriculture John R. Block.

In a letter to governors, Block suggested the assistance of the Cooperative Extension Services and of each state's Food and Agriculture Council, composed of representatives of U.S. Department of Agriculture agencies.

At the same time, he stressed the need for involvement of the private sector and volunteers in any distribution efforts.

Block cited Minnesota as an example of a successful distribution program that involved the private sector and 5,000 volunteers. The endeavor, he noted, was headed by Robert Bonine of the Pillsbury Company, and trucks were volunteered by Super Valu stores and by Land O'Lakes.

The Minnesota effort, he said, reached 499,000 people, or one of every eight citizens in the state. Each of the needy persons was provided eight pounds of dry milk, five pounds of cheese and four pounds of butter.

"This is a remarkable example of what can be done for the public when government agencies, private industry and voluntary organizations pool their resources and skills," Block said.

Block said he is asking the Extension Services nationwide to serve as a resource to the governor's office of each state in support of the state's distribution program. Many Extension offices already are cooperating in distributing USDA dairy products, Block said, providing, among other help, information about how to store and use the cheese.

The Extension Service, he said, would be able to advise on the development of statewide distribution plans for both urban and rural areas, could assist officials in identifying distribution sites and volunteer assistance.

Further assistance could be obtained from each state's Food and Agriculture Council, Block said.

"They are familiar with the program and could be useful to you in identifying volunteer sources that could be approached for help," he said. "By working together, we can help make this effort a truly useful supplement to the diets of even more of the nation's less fortunate citizens."

In his letter, Block noted the approach of the "traditional season for sharing abundance and for demonstrating concern for our fellow citizens."

USDA still is holding in uncommitted inventory about 800 million pounds of cheese and 400 million pounds of butter. The dairy products were bought under the federal dairy price support program.

On Dec. 1, Block announced continuation of the distribution of surplus cheese and butter nationwide through December 1983. In the existing program, parts of which began almost a year ago, USDA has delivered to states more than 135 million pounds of cheese and 8.2 million pounds of butter.

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Farm Talk

(Continued from Page D16)

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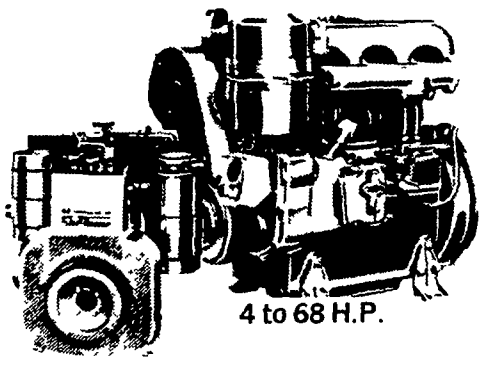

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World demand dips for U.S. grain, says nat'l president

WASHINGTON, D.C.—"The early expectation of a significant performance in U.S. grain exports in 1983 must be reduced in light of the softening of world demand for grains combined with the excessive use of grain export subsidies by the European Economic Community," Jack Parsons concluded following a two-week trip to the Soviet Union and Western Europe.

Jack Parsons, a corn farmer from Wapello, Iowa, who is the President of the Board of Directors of the National Corn Growers Association, participated in the November 16 - 18, 1982, meeting of the US-USSR Trade and Economic Council in Moscow, the Soviet Union, and also the recently concluded meeting of the General Agreement on Tariffs and Trade in Geneva, Switzerland.

In addition to representing American corn farmers in these major international meetings, the NCGA farmer president also traveled to Paris and Bonn, the respective capitals of France and West Germany, as a member of the congressional delegation led by Senator Bob Dole (R-Kan).

Both Dole and Parsons addressed the US-USSR Trade and Economic Council, to encourage the governments of both countries to develop a mutually beneficial grain and agricultural trading structure and policy to meet the requirements of the 1980's. Senator Dole attended these meetings in his capacity as Chairman of the Committee on Finance of the U.S. Senate, which has primary responsibility for bilateral and international trading agreements.

Following meetings with various agricultural and trade officials in Moscow, Parsons commented that he had concluded that "the Soviets will purchase corn and other commodities from the United States only if these commodities are not readily available on a comparable quality basis and competitively priced from other major countries.

In essence, the Soviet Union will purchase only residual supplies from the United States during calendar year 1983, with the outlook for no more than eight to ten million tons of corn and wheat expected to be sold to Russia."

The Corn Grower President gave as evidence of the reduced expectation of U.S. grain exports to the Soviet Union the following factors:

- Canada has additional supplies of coarse grain and feed quality wheat that will be offered with the availability of short-term commercial credit guaranteed by the Canadian Government.
- Record wheat and grain production in the European Common Market countries — particularly France — will be offered to Russia at highly subsidized export prices along with attractive short-term credit terms.
- The improved grain production prospects in Argentina that will be available for export in early 1983 will be sold to the Soviet Union, especially corn and grain sorghum that are provided for in the Argentine-Soviet long-term grain agreement.
- Higher than expected wheat production in the Eastern European countries provide additional exportable grain supplies to the Soviet Union.
- Additional offers of grain to the Soviet Union from non-traditional grain exporting countries such as Spain and Austria — all of which the Soviet Union will purchase.

"While the export market for U.S. corn farmers is bleak for calendar year 1983," Parsons continued, "the outlook for price recovery is not as bleak if there are additional programs and incentives for reduced production and increased domestic utilization of corn: the alcohol fuels industry; the industrial sweeteners industry; and the improved economic climate for expanded livestock operations in the United States."

The NCGA President also reiterated his organization's position that "American corn farmers should comply in the 1983 'acreage reduction program' and any additional measures that may be offered by Secretary Block to bring U.S. grain supplies into balance with domestic and foreign demand."

Parsons concluded that during 1983, the National Corn Growers Association will continue to support two major goals: to support continued efforts by the U.S. Administration to press the European Economic Community to reduce, if not eliminate, export subsidies on grains and sugar products; and to encourage both the U.S. and Soviet governments to enter into negotiations for a meaningful and enlarged grain agreement to serve the mutual interests of the two countries in the 1980's. He emphasized that these are the long-term priorities of the National Corn Growers Associaton, with the NCGA support for the acreage reduction program in 1983 only as a short-term necessity.

"A combination of these efforts and programs should return profitability to corn farming on the basis of maximizing production from efficient farming operations," Parsons forecasted.

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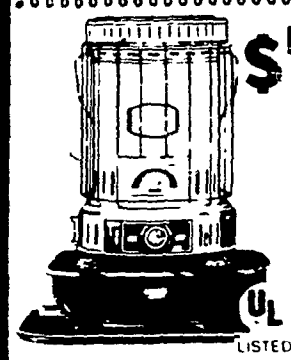

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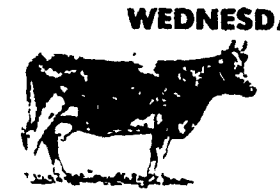

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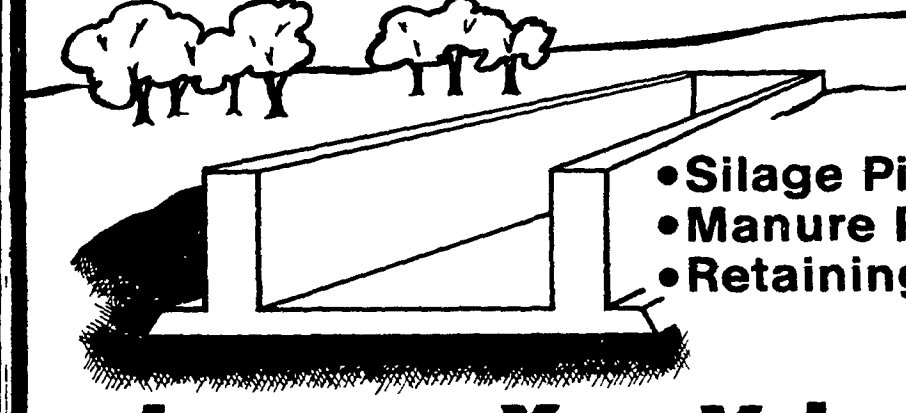

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Tax Planning Summary

Taxes are a vital part of our economy. Where would our country be without education, roads, laws or the many other services paid for by taxes. However we do dislike paying more taxes than absolutely necessary.

Do you have taxes to pay?

First make sure you have taxes to pay. Remember many income taxes do not start with the first dollar of income.

Married couples have $5,400 of tax free income for federal purposes. Also, they have an additional $1,000 per child as tax-free income. These are called exemptions.

Pennsylvania has a peculiar "SP" program that allows people with low income to escape taxes but gives no tax-free income to others.

For those with less than $10,000 of income and a dependent child living at home, there is a possible tax credit. This credit could be as much as $600. It can be used to pay social security taxes as well as income taxes. If it exceeds taxes due, the excess will be sent to the tax payer as a refund.

You Have a Taxable Income

What if you do have a taxable income? You can probably either defer some tax into future years or save some tax or both.

Let's list some deferrment methods:

- Purchase some 1983 supplies, feed, fertilizer, etc.
- Pay all of the year end bills before Jan. 1 (go to suppliers the end of December and ask for bills owed to date).
- Purchase necessary capital items (note the necessary).
- Purchase an IRA. If both husband and wife have earned income, they can both purchase an IRA.
- Itemize deductions: pre-pay your 1982 state income tax so you can take it off as a 1982 deductible expense; make charitable contributions even to the point of giving both 1982 and 1983 contributions; make sure all medical bills are paid if you are close to the 3 percent level. Next year that level increases.

How can you save taxes?

- Go thru your records and make sure you haven't missed some deductible expenses.
- Pay your children (no social security tax until they are 21).
- Pay your spouse if income is sufficient so an IRA can be taken out (no social security tax on a spouse).
- Watch for capital gains items (again use your records).
- Use available investment credit.

A note

You might consider one effect of a 1982 tax law change. This change may make the tax reducing effect of a capital purchase in 1982 greater than that same purchase in 1983. The reason: a change in the use of investment credit.

Example: Purchase a $10,000 tractor in 1982: You would have an investment tax credit of $1,000 plus $1,500 worth of depreciation for 1982 plus $8,500 worth of depreciation spread over the next 4 years. The same tractor purchased in 1983 would give you an investment tax credit of $1,000 plus $1,425 worth of depreciation for 1983 plus $8,075 worth of depreciation spread over the following 4 years. To get the same depreciation value as for the 1982 purchase, you would have to reduce the investment credit to $800.

NFO to file suit to stop 50 cent milk tax

LOUISVILLE, KY — National Farmers Organization President DeVon Woodland announced here last Tuesday that a suit will be filed shortly in an attempt to stop the 50 cent milk tax on dairy products enacted into law in the omnibus tax reconciliation bill passed by the last congress.

Woodland said NFO has a ready domestic market for additional supplies of milk and that efforts to supply this market are being expanded, but current confusions on the dairy program and effects on dairymen, particularly young dairymen, in a precarious financial condition require NFO to take this court action.

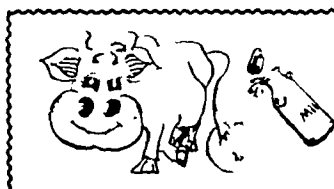
Dairy producers are important to the National Farmers Organization, Woodland said, and the lawsuit demonstrates willingness to walk that extra mile with them to end the unfair dairy tax and attempt to obtain refunds of any money collected.

At the same time, Woodland said, NFO will continue its two-pronged program of moving milk into domestic markets and encourage other dairymen to join efforts to stem the flow into CCC stocks. Hopes are to institute a supply management program that would control production by culling dairy cows producing herds.

A program that would bring milk supply into balance with demand would end the surplus problem at less than one-fourth the cost of the current program that encourages overproduction by providing a ready market for the surplus, NFO says.

"Our program will provide for a reduction in the federal budget by stopping production before it gets to the marketplace," Woodland said. "Thus, it will save the consumer even more money."

"Under the present dairy program, there is no incentive for the large manufacturing plants to sell into domestic markets, thus adding to the surplus," he added.



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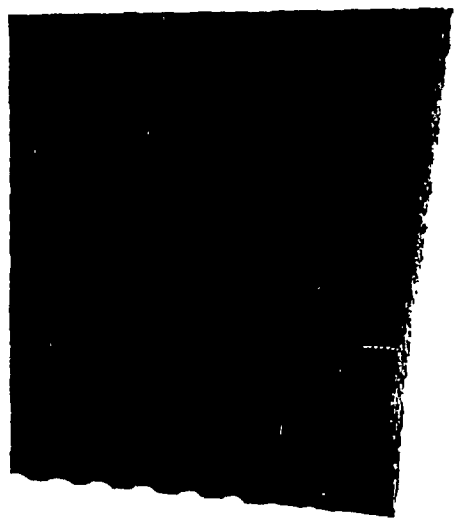

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The Milk Check

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Two Minute Warning

Word has gone out from Market Administrators to milk handlers to start deducting 50 cents a hundred from each producer's milk check each month beginning in December. So, the 45 day comment period on procedures for making the deduction that turned into a protest rally for postponement didn't work.

Even the bills introduced to Congress in a lame duck session scheduled full of gasoline taxes; last minute budget appropriations; the MX missile; and a ten percent income tax cut had less chance than a snow ball.

The message seemed clear that the Administration was prepared - even bound - to carry out the instructions of the Congress and would do so until they were changed. The trouble was that there was not time enough left for this Congress to change anything and bills introduced now will die with this session.

It seemed like the two minute warning in sports signalling the end of the game but all the coaches and players were frantically running around bumping into each other instead of cooperating on a plan to win the game.

In fact, the Secretary of Agriculture said clearly that until the industry agreed on a plan to cut the costs of the price support program and correct the supply/demand imbalance, he had no choice but to follow the mandate given to him by Congress in the Omnibus Reconciliation Act of 1982.

A Better Way

Once again, it was fashionable to be anti and everyone including newspapers and politicians got into the act. Nothing was accomplished in getting the industry together on a workable solution. If we could do this it would be a real opportunity to hold the administration and Congress to its word and give you the program you present.

However, at this point every group and organization is still pushing the same plans they hatched last spring that produced the disaster on August 19 that we have today. By now, everyone should agree that there has to be a better way but that means one better way we can agree on and not ten better ways that divide us.

Alternative

Now that there is a 50 cent deduction, perhaps we could do better by getting the administration to set it aside in a special dairy fund while we work on a better use for it than the Commodity Credit Corporation general fund. It's supposed to produce $325 million in six months. By then we start on another 50 cent deduction in April that would double the take. That's all part of the present law.

However, if we could convince Congress that it would be better (and cheaper) to use all this money as refunds to farmers who reduce production, they might buy it. The second 50 cents will be used this way so why not both assessments rather than losing half to the CCC?

You might even consider raising the assessments to sweeten the pot further to encourage reductions but that's up to you. At least let's try to hang on to what you're paying now to find better use for it.

Wheat, barley producers to receive deficiency payments

WASHINGTON, D.C. — Eligible wheat farmers soon will receive an estimated $475 million in deficiency payments on their 1982 crop, while barley farmers will get about $60 million, according to Everett Rank, administrator of the U.S. Department of Agriculture's Agricultural Stabilization and Conservation Service.

Rank said deficiency payments are required under the 1982 wheat and barley programs because average market prices received by farmers during the first five months (June through October) of the marketing year were below established target price levels of $4.05 per bushel for wheat and $2.60 for barley.

No deficiency payments are required for oats as the five-month weighted average market price of $1.50 per bushel is the same as the $1.50 target price, Rank said.

The deficiency payment rate is based on the difference between the established target price and the higher of the national weighted average market price for June through October or the loan rate.

National weighted average market prices were $3.34 per bushel for wheat and $2.20 per bushel for barley. Thus, eligible producers will be paid 50 cents per bushel for their 1982 crop wheat based on the $3.55 loan rate and 40 cents per bushel for this year's barley based on the national weighted average market price.

Deficiency payments will be made to wheat and barley farmers who participated in the 1982 acreage reduction programs. Rank said the payment checks will be issued through local ASCS offices as soon as possible after Dec. 3 for wheat and after Dec. 10 for barley.

The total base acreage for the 1982 wheat program was 90.7 million acres of which 43.8 million acres participated in the program. The total acres planted for harvest on these complying farms was 33.0 million.

For the 1982 barley program, the total base acreage was 10.5 million acres with 4.8 million acres participating in the program. The acres planted for harvest on the complying farms was 3.5 million.

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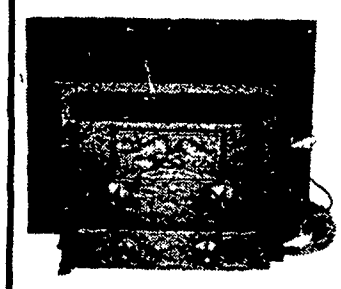

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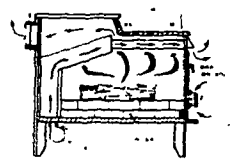

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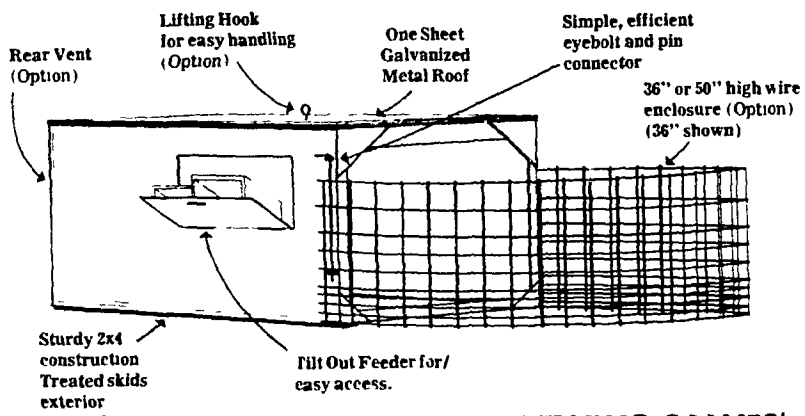
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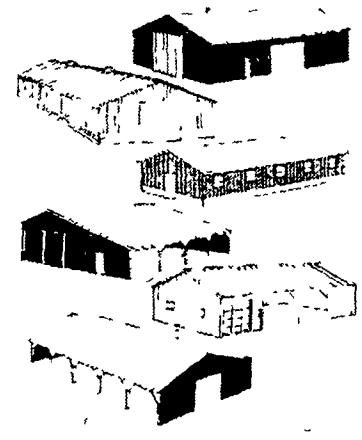

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Four central counties wrap-up DHIA testing year

MIDDLEBURG — The combined DHIA associations of Montour, Snyder, Northumberland and Union counties, recently ended the 1982 testing year.

Montour County reported 1,054 cows on test with an average of 15,237 pounds of milk and 579 pounds of fat Northumberland County's 2,157 cows on test averaged 15,242 pounds of milk and 569 pounds of fat Snyder's average of 15,289 pounds of milk and 577 pounds of fat were recorded on 2,741 cows Union County's 2,935 cows on test averaged 15,214 pound of milk and 558 pounds of fat

Carl Slater and Son of Bloomsburg led Montour County's dairy producers with average of 21,265 pounds of milk and 791 pounds of fat on 32 registered Holsteins

In Northumberland County, Fred and Tom Strouse of Northumberland turned in a top butterfat average of 709 pounds on 60 Holsteins, which also averaged 17,907 pounds of milk Ernest Wolfe of Milton led the county in milk with 19,266 pounds and 640 of butterfat on 60 cows

H L Narehood and Sons of Beavertown topped the Snyder DHIA butterfat with a 760-pound record on 58 cows, that averaged 19,318 pounds of milk Randolph Hoffman of Mt Pleasant Mills recorded a top milk production average of 20,802 pounds on 30 cows

Mifflinburg dairyman Clarence Beiler finished with high herd in Union County for both milk and fat Beiler's 62 registered Holsteins averaged 19,777 pounds of milk and 782 pounds of fat

The following herds in the four counties finished the 1982 testing year with averages of 650 pounds of butterfat or more

Montour					
Carl Slater & Son	RH	32 3	89 8	21,265	791
PA Dept of Agri	R&GrH	117.4	86 5	18,480	707
Mar-Ja Farm	RH	135 3	89 2	16,311	664
Earl W Harris	RH	54 5	84 5	18,390	664
Clifford A. LeVan	RH	20 3	91 0	16 578	655
Northumberland					
F & T Strouse	R&GrH	60 7	87 2	17,907	709
R Truckenmiller	R&GrH	57 6	86 5	18,426	698
Jerry Smith	RH	47 7	87 9	18,489	672
Snyder					
H Narehood & Sons	R&GrH	58 5	89 5	19 318	760
E & D. Apple	R&GrH	60 4	89 9	19,037	739
R A Hoffman	R&GrH	30 1	84 3	20,802	739
Harold S. Hassinger	RH	40 4	88 4	17 827	705
G & B Carper	R&GrH	55 4	85 6	17 798	700
W Paul Womer	R&GrH	34 1	88 3	19,167	695
R Ulmer & Sons	R&GrH	56 8	84 3	18,401	691
Dale Hornberger	R&GrH	38 4	85 2	17 733	683
I & M Wenger	R&GrH	49 0	88 3	17,411	675
Sauderdale Farm	R&GrH	47 7	86 0	17,051	666
J & M Shirey	RH	60 3	87 4	17,960	664
Jesse J Yoder	R&GrH	61 9	90 3	17,614	662
Urie & Dan Yoder	RH	51 0	83 8	17,138	655
D & N Hornberger	R&GrH	28 1	90 5	17,055	654
Union					
Clarence W Beiler	RH	61 6	88 6	19,777	782
Amos J Zook	R&GrH	52 6	85 8	18 871	725
Wood Ann Fm Inc	R&GrH	31 1	85 9	18,676	697
Elam Beiler	RH	40 6	90 0	16,525	686
San Be Farm	RH	64 3	88 1	18,185	677
John F Stoltzfus	R&GrH	48 9	88 5	18,552	669

LUZERNE COUNTY DHIA
September 1982

Herds above 650 pounds fat

Sterling Farms	RH	100 8	81 1	17,880	651
Carl E Troxell	R&GrH	76 0	88 0	18 241	650

Cows finishing their lactation period over 750 pounds butterfat

Hillside Farms Inc						
364	RH	6 9	305	22,125	4 1	897
Carl E Troxell						
159	RH	8 8	305	23,301	3 9	899
172	RH	6 2	293	24 350	3 8	936
Sterling Farms						
Renee	RH	6 1	287	24,151	3 1	758
Rozema	RH	5 11	305	25,353	3 6	920
Gala	RH	5 2	305	23,651	3 4	793
Emile	RH	5 3	305	22,302	3 7	819
May	RH	4 11	305	22,887	3 4	777
Jana	RH	3 0	305	25,412	3 4	869
Hattie	RH	3 0	305	21,474	3 6	763
Galaxy	RH	6 11	275	21,121	4 1	876

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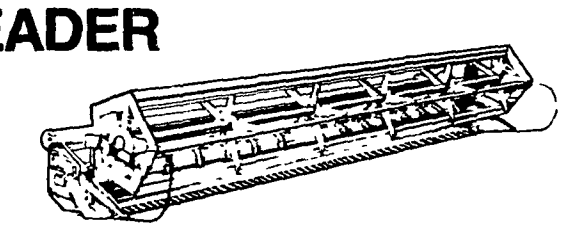

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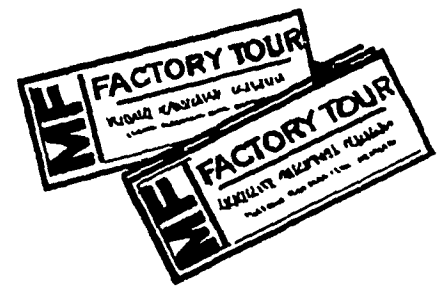

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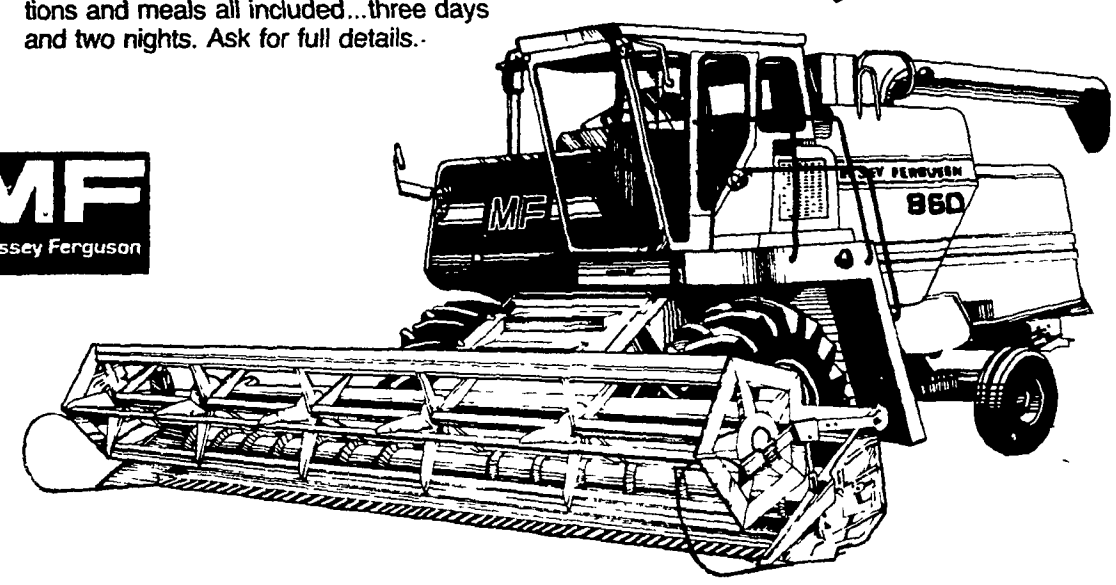

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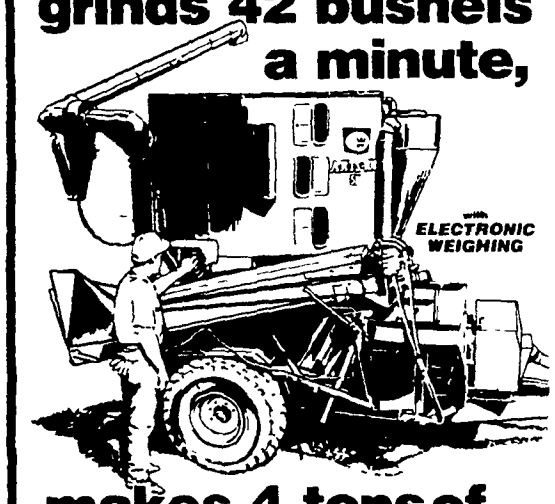

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Berks County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

October, 1982

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
C & T Kissling	3	67 8	85 4	20,882	823	198
Heindel Farms Inc.	3	27 9	87 3	20,188	796	629
Stephen J Janos	3	32.8	89 6	20,912	778	175
Plushanski Fms	3	109.2	87 0	20,986	774	141
Mertz Brothers	B3	47.0	84 7	19,979	730	136
Reu Hel Farms Inc.	3	45.9	87 5	19,387	689	192
Junge Farms	3	60.1	88 2	18,801	686	606
Forrest C Stricker	B3	57.6	87.3	18,470	680	102
K & R Wolfskill	B3	47.7	85.5	18,422	674	410
Mark A Wolfskill	3	93 7	82 9	19,193	672	179
Zahncroft Farm	3	49.2	85 8	18,086	660	100
Ray E Bicksler	3	46.2	88 3	17,087	660	110
R & K Sanner	B3	70.7	86.7	18,131	656	123
Roger S Buch	3	48.2	84.5	18,112	653	161
David L Schrack	B3	103.3	86 6	16,118	653	156
Kenneth Wenger	B3	70.5	85.9	18,503	651	180
Bendy Brook Farm	3	51 5	85.3	18,850	649	583
G S Troutman Jr	B3	66.5	88.5	18,234	649	107
Robert E Kopfer	B3	44 7	89.7	18,036	645	586
Yost Brothers	B3	112.8	88.5	18,031	643	165
Glenn R Harnish	B3	79.1	87.3	17,678	642	108
Donald B Duncan	B3	102.9	84 7	16,252	642	164
Richard A Bleiler	B3	56.2	87.2	18,667	639	122
Good Bros	B3	64.4	88.2	17,839	638	171
Wilmer R Martin	3	40.3	82.5	17,291	636	
Lynnacres	3	133.4	89.0	16,990	635	114

Mifflin DHIA completes 60 years

LEWISTOWN — Mifflin County DHIA recently completed its 60th year with 94 whole year herds and seven owner-sampler herds The county's 2,095 cows on test averaged 15,608 pounds of milk and 575 pounds of fat

Percy and Glenn Yoder of Belleville led the county, this year, with averages of 19,323 pounds of milk and 752 pounds of fat, on 78 registered Holsteins.

Executive members of the Mifflin County DHIA include James Byler, president, Frank Hartzler, vice president, John Yoder, secretary, directors, Paul Yoder, Louis Peachey, Vernon Kauffman, Joshua Yoder, G. Sheldon Peachey and David Yoder, supervisors, Sherri Morgan, Ronald Morgan, Darrel Byler, Randy Mayes and Gregory Hostetter.

The following herds have finished the testing year with averages of 650 pounds of butterfat or more

Percey S&R Glenn Yoder	RH	78 2	19,323	752
E Clair Fisher	RH	44 6	18,360	706
Robert Stayrook	RH	27 2	18,359	698
James L Hostetter	RH	44 2	18,471	692
Charles L Forgy	R&GrH	43.0	18,070	692
Mark S. Yoder	RH	80.7	17,572	682
J Loren Yoder	RH	30.0	18,215	673
John Y Bawel	RH	14.4	18,193	666
Frank J Hartzler	R&GrH	48.3	16,978	664
John A Peachey	R&GrH	55 5	19,215	664
Louis S Peachey, Jr	RH	52 3	16,826	663
Bradstead Farm	RH	35 8	17,454	655
Louis S Yoder	R&GrH	47 6	17,876	655
Merle E Yoder	R&GrH	34 1	17,596	653
G Sheldon Peachey	RH	42 1	18,309	650

Italy off USDA's disease list

WASHINGTON, D.C. — U.S. Department of Agriculture officials have removed Italy from USDA's list of countries considered infected by contagious equine metritis, a venereal disease of horses.

John K. Atwell, deputy administrator of USDA's Animal and Plant Health Inspection Service, said the action follows an onsite review of all informaiton available on the disease in Italy.

The action was taken in response to requests from representatives of Italy's horse breeding industry. Italy had been on the list of countries affected with the disease since Oct. 12, 1979.

Countries remaining on the list are Australia, Austria, Belgium, Denmark, Federal Republic of Germany, France, Ireland, Japan, Sweden and the United Kingdom.

The removal action became effective upon publication in the Federal Register Dec. 9.

Public comments may be submitted through Feb. 7 to the deputy administrator for veterinary services, APHIS, USDA, Room 870 Federal Building, 6505 Belcrest Rd., Hyattsville, Md. 20782.

Clarence B Kulp	3	68 5	86.3	17,181	633	103
Irvin G Weaver	G3	47 5	83 8	17,668	633	162
William G Howerter	3	87 9	87 2	16,815	631	158
Arlan Krick	B3	68 8	88 8	16,412	631	89
George E Moyer	3	90 5	85 7	16,478	630	157
Mervin Brubaker	B3	68.3	85.6	17,450	628	175
Heindel Farms Inc	1	23 0	84.3	15,427	628	504
Wilmer Dreibelbis	B3	51 7	86.9	17,228	628	108
Fred J Walters	B3	67.9	85.6	16,880	626	167
Don Aloan	B3	42.7	84 6	16,338	621	114
Leroy E Howard	3	138.7	89 8	17,228	621	104
Larry E Phillips	B3	34.5	86.4	17,139	620	
Larry L Mertz	B3	88.5	89.9	17,102	617	111
B L Burkholder	B3	47.4	83.2	17,401	617	114
William C Adams	B3	93.0	88 9	15,538	616	135
Daview Farm	B3	55.7	83.9	16,630	616	145
George Schuler	3	56.3	81.6	16,970	614	140
Glenn B Gockley	B3	36.4	87 7	16,857	614	101
R B Burkholder	B3	41.0	87 1	16,894	614	125
Leonard G Stoltzfus	3	35.2	92.0	18,281	614	150
David J Williams	G3	39.6	85 3	16,580	613	102
Show Top Farms	3	146 4	88 9	16,708	613	174
FM Browns Sons	B3	93.9	88 7	17,930	612	161
Harvey C Krill Jr	B3	51 6	90 7	16,568	612	100
Raymond B Nolt	B3	76 6	86.9	16,868	611	110
Roy Hoppes	B3	38.8	86.2	16,069	610	98
Richard W Hoppes	3	58 1	87.3	16,243	607	134
Kenneth Zook	B3	44 8	85.5	18,570	604	166
Scattered Acres	B3	141.6	81.9	16,718	603	94
Frank G Gromlich	3	59.7	86 5	15,767	603	126
Vista Grande Farm	3	84.1	85.5	16,654	599	148
Swatara Dairy Fm	3	84.3	81 4	14,873	597	105
Andrew D Stoltzfus	3	151.0	84 1	16,704	597	91
E D Leatherman	B3	65.0	87.8	16,897	597	108
Troutman&Sons	B3	106.7	85.2	17,412	595	144
Jaimore Farm	B3	76.2	85.4	15,266	595	62
Alton Rohrbach	B3	45.1	87.6	15,898	594	140
Retland Farm	3	48.1	88.2	16,337	594	131
Paul B Martin	B3	54.0	86.0	17,225	593	157
Udder Valley Fm	B3	71.4	87.8	16,028	593	95
Ker Min Farms	3	76.9	88.1	16,333	592	103
Mat Mar Farms Inc	3	85.6	86.8	16,210	592	90
Ronald L Richard	3	46.2	86.7	16,551	592	182
Ontelynn Acres	B3	111.5	84.2	15,359	590	113
Pinnacle View	B3	49.5	87.0	16,053	589	146
J & P Berry	B3	42 7	85.3	16,396	588	
Martin Moyer	B3	51.5	80.8	15,520	588	96
R L Sattazahn	B3	104.3	86.8	16,392	588	98
Charles W Lamm	B3	91.1	86 7	15,829	588	145
Linden Loch Hols	B3	55.9	86.5	15,682	586	67
Ernest O Miller	B3	191.2	83.6	16,065	584	112
Marlin J Stutzman	B3	57.1	92.1	15,016	584	102
Robert T Bowman	B3	42.9	82.9	16,115	582	147
Harvy M Weaver	G3	48 5	84 1	15,749	581	59
Wilmer Hurst	B3	48 1	82 8	14,559	580	133
Harold Schuler	3	41.1	79.8	16,137	579	122
Raymond A Seidel	3	36.0	84 7	15,973	578	141
Lawrence Kieffer	B3	71 3	85 8	17,137	577	103
Win-Dale Farm	8	45 1	88 8	11,535	575	439
Ernest C Hoffman	3	54 3	88 2	16,078	574	109
Way Har Farms	B3	114 1	86.2	16,545	573	141
D Burkholder	G3	88.5	86 7	15,455	572	97
H Fenstermaker	3	35.1	85 6	14,684	572	116
Lewis Nolt	B3	58 5	86.4	15,329	571	140
William Mitchell	G3	30 9	89.4	16,009	571	134
Ray W Seidel	B3	35 6	85.4	15,303	570	87
Pine Brook Farm	3	98 8	83.6	14,815	568	108
B & K Grimes	B3	87.4	86.2	14,398	568	184
C C Sattazahn	B3	91 4	88.4	16,480	568	106
Robert C Dreisbach	4	76 0	84.4	12,762	566	479
P & T Werley Jr	B3	100 9	85.8	15,164	566	74
W M Balthaser	B3	71 5	84 7	15,375	564	105
Lester Burkholder	B3	91 7	86 5	15,638	564	144
Robert Yanos	G3	60.4	86 9	15,080	563	107
Vernon G Good	B3	40.9	88 1	16,039	562	129
R H Hoffman	B5	45 8	87.7	14,083	562	86
Hylark Farm	3	80 9	86 1	14,976	562	143
Russell H Haas	G3	52.2	87 2	15,701	559	137
Merlin J Grube	B3	37.0	89 0	14,621	558	141
Arlan D Davis	B3	28 8	85.8	15,573	557	101
David Y Knauer	B3	53 8	83.8	15,322	557	141
Leon Sensenig	B3	55.9	83 6	15,294	557	99
Glenn E Hoffman	B3	42.6	85.9	15,344	557	142
Alfred E Schmidt	3	55 6	89.0	15321	556	130
Blue Mtn	B3	121.4	85.6	16,257	555	98
Carl E Hollenbach	2	56 5	80 6	12,480	554	90
W Dreibelbis Jr	B3	52.7	83 7	17,210	554	141
Lynn E Stoudt	B3	57 6	80 7	16,221	553	163
R H Hoffman	B3	46 7	86 1	14,550	553	111
Herb Top Farms	B8	26.4	85 7	14,365	551	104
Teen Chal Farm	B3	107 5	87 6	14,442	551	93
Harold Dietrich	B8	39.2	83 6	14,803	550	98

CENTRE COUNTY DHIA
October 1982

The high herd in the Centre County DHIA, for October was Joseph Hartle, Jr , Bellefonte, R D 4 The Hartle herd of 68 cows had a rolling herd average of 21,828 pounds of milk and 820 pounds butterfat with 88 4 per cent days in milk

The following herds have butter averages above 650 pounds

Valley Wide Farm	77	87 5	21,138	820
Lynn & Margaret Neer	88	90 8	22,272	809
Jay Houser	54	89 7	22,120	808
Richard & James Graham	100	88 8	23,481	801
Richard Trinca	44	86 8	21,132	795
L. Thomas Musser	46	87 3	18,754	764
James & Susan Howes	51	84.9	20,938	751
Evan & Ricky Homan	57	86 0	19,454	750
John Ishler	60	87 2	19,287	734
Stringers Sand Ridge	66	87 3	18,213	717
Jesse & Mary Burkholder	42	84 2	20,385	700
Daniel & William Boob	66	88 2	18,354	679
Franklin Rossman	50	84 9	18,315	676
Jerry Weight	105	92 2	19,000	671

The ten high individual cow actual production records in D H I A produced on a two times a day milking in 305 days or less (unless otherwise noted) were in the following herds

Gemi Feltenberger	23,868	4 7	1129
Joseph Hartle, Jr	30,734	3 6	1099
L Thomas Musser	23,797	4 6	1099
Joseph Hartle Jr	26,523	4 1	1098
Lynn & Margaret Neer	24,511	4 3	1057
Valley Wide Farm	27,048	3 8	1017
Lynn & Margaret Neer	24,809	4 1	1005
Richard Trinca	27,032	3 6	984
James Rider	25,662	3 8	976
Jack & Dean Decker	24,392	4 0	976

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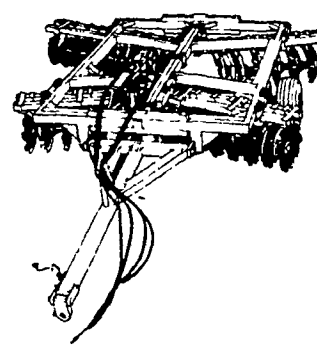
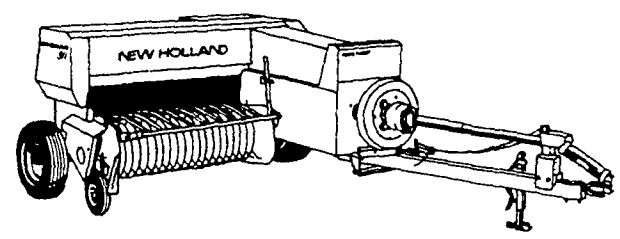
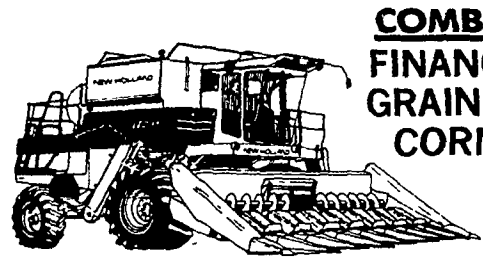


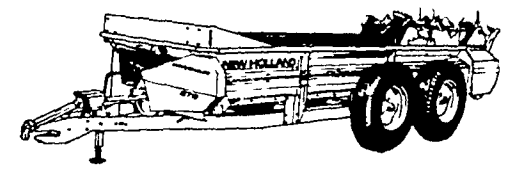
DISKS: WAIVER OF FINANCE TO 3/1/83 OR REBATES FOR CASH OF $250 TO $700

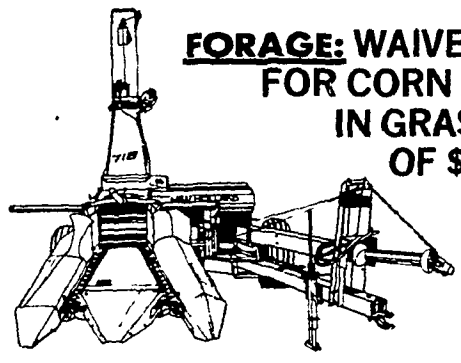


HAY TOOLS: WAIVER OF FINANCE TO 7/1/83 AND REBATES OF $50 TO $1400

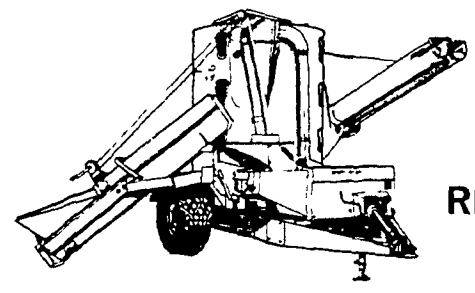


COMBINES: WAIVER OF FINANCE TO 8/1/83 FOR GRAIN AND 10/1/83 FOR CORN AND REBATES OF $5000





FORAGE: WAIVER OF FINANCE TO 9/1/83 FOR CORN AND 6/1/83 FOR USE IN GRASS AND REBATES OF $200 TO $4200



SPREADERS / GRINDER-MIXERS: WAIVER OF FINANCE TO 4/1/83 OR REBATES OF 5% OF CASH PAID TO DEALER

Farm income tax meetings set for January

UNIVERSITY PARK — January 1983 marks the beginning of a series of farm income tax meetings, sponsored by the Penn State Cooperative Extension Service.

The meetings are geared for farmers and tax practitioners who must keep up-to-date and individuals interested in increasing their knowledge of income tax reporting and tax management.

Instructors at these one-day meetings will discuss: changes in tax laws that affect farmers and business people; frequently asked questions; and state tax reporting. Each meeting begins at 9:30 a.m. with registration and ends after a question and answer period at 3 p.m. Penn State Extension specialists Jesse Cooper and Wayne Kelly will conduct the sessions.

Cooper, assistant professor of Farm Management Extension, specializes in labor and machinery economics and assists in taxes and linear programming. Kelly, Farm Management Extension professor, specializes in taxes, financial management and economics of horticultural crops.

Registration fees of $20 for individuals and $27 for husbands and wives cover the cost of lunch and materials. The fees are tax deductible.

The following list includes the dates and places for the 13 statewide meetings:

January 4 Lewisburg, Country Cupboard Restaurant. Restaurant is located on Route 15, 1½ miles north of Lewisburg; **Jan. 5 Tamaqua,** Leibys Ice Cream House. Continue three miles south to the intersection of Routes 443 and 309; **Jan. 6 Tunkhannock,** Cleaverack Electric Building. The electric building is one mile west of town on Route 6; **Jan. 7 Mansfield,** Tri-County Electric Cooperative Building, Main Street; **Jan. 11 Meadville,** Holiday Inn, two miles west on Route 6; **Jan. 12 Butler,** Garden Gate Restaurant, five miles west on Route 422; **Jan. 13 Indiana,** Rustic Lodge, 1½ miles south of Indiana on Route 286; **Jan. 14 DuBois,** Holiday Inn. Take exit 16 south of Interstate 80 to US 219; **Jan. 18 Quakertown,** Best Western Motel on West Broad Street. Take Route 313 off Route 309. The motel is one block east on West Broad; **Jan. 19 Lancaster,** Farm and Home Center. From Route 230 bypass, take Route 72 south one-half mile; turn east on Service Road next to Jones Pontiac; **Jan. 20 Chambersburg,** Holiday Inn (Southside). Take Wayne Avenue exit off Interstate 81 to intersection of Route 316; **Jan. 21 Bedford,** Quality Court Motel and Arena Restaurant, Old Route 220 north of Turnpike Exchange; **Jan. 28 Coudersport,** Laurelwood Inn, Route 6.

Troxell herd earns Luzerne's top DHIA honors

WILKES-BARRE — A new leader appeared in the high herd milk production average for the Luzerne County local of the Dairy Herd Improvement Association. The 76-cow herd of Carl Troxell, R1 Lehighton, received a ribbon honor for an average production of 18,241 pounds of milk and 650 pounds of butterfat. This was an increase of 8.3 percent milk and 8.9 percent in butterfat from their 1981 average.

Sterling Farms 100-cow herd from Harvey's Lake produced 17,880 pounds of milk and 651 pounds of butterfat to become the fat leader by one pound.

Other milk production leaders included the 55-cow herd of Robert Hough, New Columbus, with 17,410 pound average; Hillside Farms, Inc., Shavertown, 88 cows with 17,037 pounds; Derwood & Dennis Moyer, Wapwallopen, 51 cows at 16,856 pounds; Fred Shultz, R1 Berwick, 61 cows at 16,339 pounds; and Pecora Bros., R2 Drums, 138 cows at 16,169 pounds.

Seventy folks attended the 53rd Annual DHIA Dinner held last Wednesday at the Briggsville Mt. Zion Church.

President Robert Hough conducted a short business meeting which included a summary of the new national DHIA rules, the concept behind the new milk protein testing program, and attention to a milker's school scheduled in the Northwest area on Jan. 25 and 27.

County Agent E. V. Chadwick presented a slide show of the "Seasons and Scenery of Alaska."

Officers for 1983 are: President Robert Hough; Vice-President David Stull, Plymouth; Secretary-Treasurer William Conyngham, Shavertown; and directors - Larry Baron, R2, Shickshinny; Nathan Kolb, R1, Stillwater; Donald Gregory, R2, Dallas; Ralph Sands, R3, Wyoming; James Pecora and Carl Troxell. Program supervisors are William Baucher, Berwick, and Larry Evans, R2 Shickshinny.

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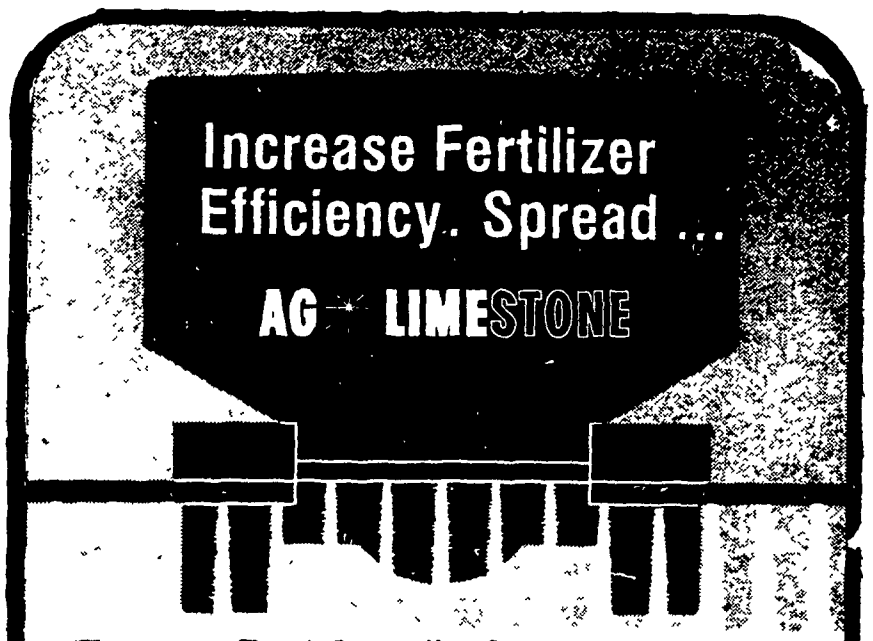

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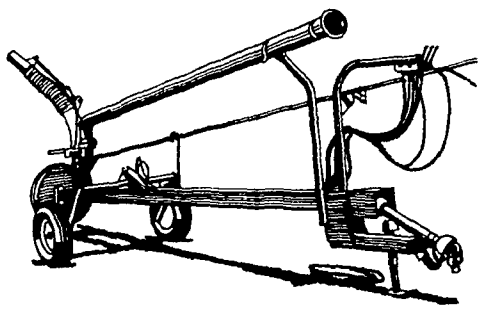

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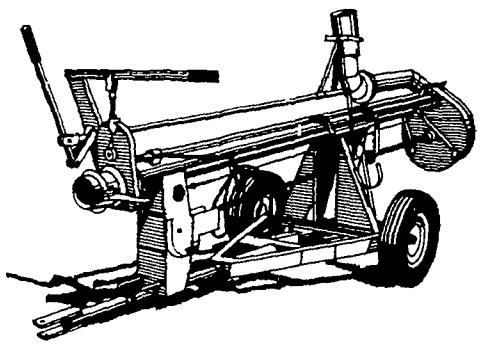

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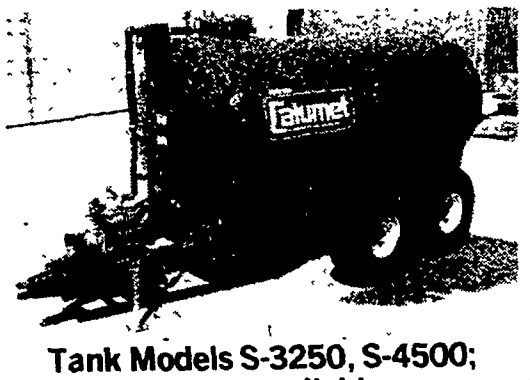

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Native grasses plug forage gaps

ANAHEIM, Ca. — Native warm-season grasses-long ignored by many cattlemen-can significantly reduce the cost of producing a pounds of beef, a leading agronomist with the USDA's Agricultural Research Service said here last week.

Gerald R. Jung said that scientists and cattlemen are only beginning to learn how to manage warm-season, or tall prairie grasses, that adapted to many U.S. regions thousands of years ago. Jung is with the ARS Regional Pasture Research Larboratory in University Park, Pennsylvania.

"Warm-season grasses such as bluestem, switchgrass, and Indian grasses have an inherent ability to grow well in low fertility soils during hot, dry weather," Jung said. "They complement widely grown cool-season forage grasses which slow down or become dormant in summer."

Jung spoke at a special symposium, "Potential of Subtropical Perennial Forage Grasses for the Continential U.S.," part of the 74th annual meeting of the American Society of Agronomy.

Forage crops—pasture plants, hay, silage, and crop residues converted into human foods by livestock—account for 30 percent of the American diet. Research on new management techniques for using warm-season grasses in forage system is receiving a great deal of attention of late, Jung said.

Studies show that, if properly introduced, warm-season grasses will have lush growth with little fertilizing in mid-summer when pastures of cool-season plants stop producing.

Integrated use of warm-season grasses can reduce meat-producing costs by lowering needs for summer and winter supplemental feeds, fertilizers, fuels, and wood and brush control. Also, some species of warm-season grasses tolerate relatively high soil levels of aluminum and manganese where most cool-season grasses will not grow, Jung said.

Many native warm-season forage grasses are of tropical origins. They are quite different from cool season forage grasses by their molecular structures; by how they make and store sugars from light, water, and soil (photosynthesis); and by their nutrient responses. Jung said that in order for ancestors of native warm-season grasses to adapt to temperate places such as Missouri, Pennsylvania, West Virginia, and the Carolinas, they evolved tolerance to winter. They also developed in soils that were weak in nutrients and, by natural selection, became very efficient users of water and nutrients, he said.

Although recent studies are receiving much attention, research on warm-season grasses for livestock and wildlife food is not new, Jung said. Earlier studies gave the native warm-season plants poor evaluations, because researchers compared warm- and cool-season grasses by the same management methods.

New research points out key distinctions. Whereas cool-season grasses respond well to early spring fertilizing, for example, warm-season species do not. Early fertilizing stimulates weeds, thus stunting the growth of warm-season grass seedlings.

Another distinction now identified, said Jung, is that warm-season grasses should not be grazed or mechanically harvested below a 6-inch height.

Jung said specific "recipes" for planting, fertilizing, and maintaining stands of warm-season prairie grasses, as well as information on how to integrate them into particular livestock operations, will vary from region to region, from farm to farm. More research needs to be conducted, Jung said, in the Eastern U.S. on the effects of different soils and weather conditions on productivity and forage quality of these grasses.

Cattlemen are usually more familiar with cool-season grasses largely because of traditional know-how, Jung said. Early American settlers were experienced with European cool-season forage plants. Homesteaders were unsuccessful in cultivating native warm-season species because they were unaware that growing requirements were different, Jung said.

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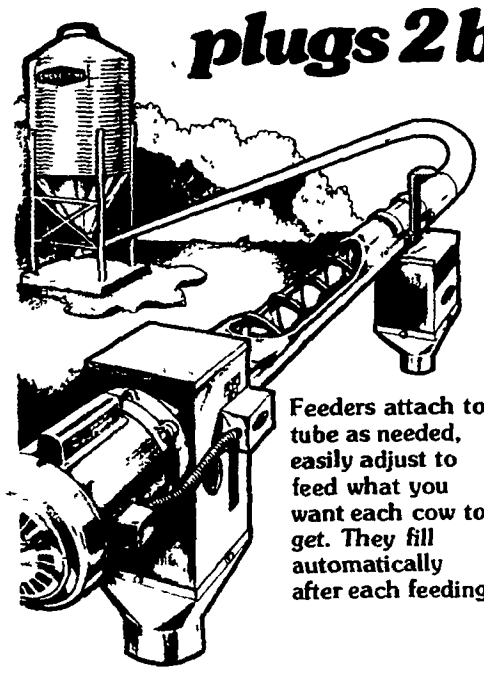

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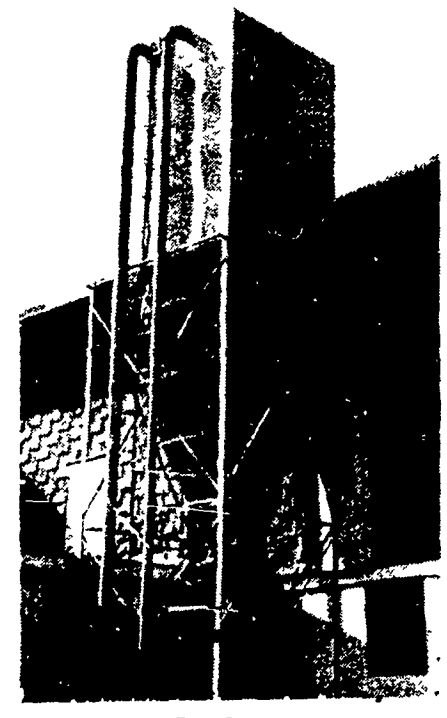

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Should machinery be purchased to cut liabilities?

UNIVERSITY PARK — About this time of year, farmers think about purchasing machinery to cut tax liabilities. Is this good management?

This action comes under income tax management, says Sam Dum, Penn State Extension farm management specialist. Tax management is important in operating a business for profit and is the way to make adjustments in income or expenses, or tax deductions and exemptions, there by avoiding being in a higher tax bracket one year, and a lower bracket the next. This fluctuation in tax brackets usually results in more total tax over a period of years.

Before considering the purchase of machinery to control the tax bracket, a farmer should consider how the early purchase of operating supplies for the next year, such as feed, seed and fertilizer, or withholding the sale of ordinary income items, such as crops or livestock held principally for sale, could be used instead.

Machinery purchases will help reduce tax liabilities through the depreciation allowance and investment credits. But before making the decision to purchase machinery for tax management, consider the decision from the standpoint of the purchase on the overall profitable operation of the business, says Dum. "Is the machinery needed? Will it lower production costs?" The additional investment costs must be carried by the business, says Dum.

Therefore, the final criteria for tax management as well as investment management is — will the action result in the lowest tax over the years, and be most profitable for the business?

Crop insurance industry approves 1983 research

INDIANAPOLIS, IND. — Representatives of the Crop Insurance Research Bureau and National Crop Insurance Association met Nov. 3 and granted approval of funding for crop research projects at nine universities in the United States. Research will be conducted to more accurately establish the amount of damage which crops suffer from hail.

A large number of crop test plots are subjected to simulated hail storms produced by "hail machines" blowing ice at a high velocity. The plots are then checked for the amount of damage to the plants and the state of growth which the plant was in when the "storm" occurred. The plots are harvested at year's end and crop yields are compared to yields from untreated plots to determine the effect and severity of yield reduction resulting from hail.

The results are statistically analyzed and developed into loss adjustment charts and procedures for use by crop insurance adjusters in settling hail insurance claims. The plots are simultaneously used for training of adjusters during crop school/field days held at each research location. Each year, crop adjusters are instructed on current farming practices, plant diseases, insects, herbicides, recommended loss adjustment procedures, plant growth, etc.

This type of research has been funded through the crop insurance trade associations since 1930. Grants totaling over $1 million have been distributed to 34 universities in 28 state since 1952, and over 350 separate annual projects have already been completed on 23 crops.

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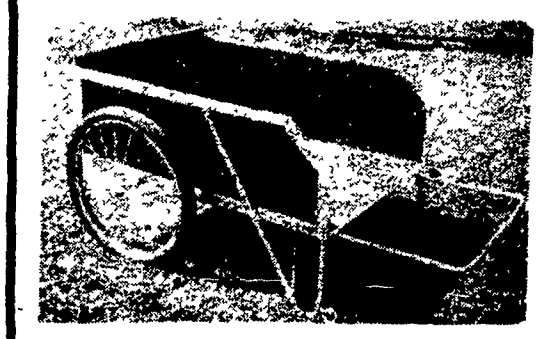

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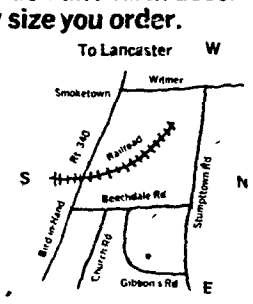

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Del. ag engineer offers sludge recommendation

NEWARK, Del. — Agricultural Experiment Station scientists from 12 northeastern states have been meeting in Harrisburg, this year to attempt to establish safety recommendations for the spreading of sewage sludge on agricultural land.

According to Herschel Elliott, University of Delaware agricultural engineer who serves on the executive committee for the grou, 42 percent of sewage sludge is now spread on land rather than burned, buried in landfills, or dumped into the ocean. That's up from only 25 percent in 1976.

Because of this tremendous increase, the scientists felt they should take a closer look at the implications, particularly for the Northeast. This region has the most people (hence the most sludge), yet the least amount of available agricultural land.

Some sludge is used to reclaim strip mined land, and some is spread on land set aside strictly for the purpose of sludge disposal. The experiment station scientists are mainly concerned with the more controversial issue of spreading sludge on cropland.

Scientists don't agree on how much sludge can safely be spread on agricultural lands. Because the composition of sludge is typically 4:2:1, it is potentially useful as a low-grade fertilizer. However, it also contains unwanted heavy metals, toxic organics and pathogens.

The consensus of the participating scientists is that, with certain restrictions, sludge can be spread on agricultural land in the Northeast. But because crops respond differenty to soil pollutants and impact upon human health to varying degrees, the group's guidelines address three separate categories of crops.

First, the scientists advise that tobacco should not be treated with sludge because of its strong tendency to accumulate heavy metals.

Second, crops grown for direct human consumption (fruits, vegetables, and small grains destined for the table) warrant special consideration. The scientists do not recommend sludge for these crops unless special conditions are met with regard to heavy metal concentrations in the soil, and unless spreading is discontinued before crop planting to reduce the risks associated with harmful organics and pathogens.

All other food crops are addressed collectively. The scientists have developed specific guidelines for heavy metal and nitrogen loadings, based on soil characteristics of the Northeast. The guidelines are more conservative than previous U.S. Environmental Protection Agency guidelines, which were based on midwestern studies. Soils in the Northeast tend to be more acid than in the Midwest. This justifies greater caution since heavy metals are more available to plants at lower pH.

The EPA recommends that farmland be kept at a pH of 6.5 or higher if sludge is to be applied. However, about half the soils used for crop production in the Northeast are at pH 6.0 or below. In certain agronomically important soils in Delaware, farmers cannot maintain pH at 6.5 or greater without reducing crop yields due to manganese deficiencies.

Heavy metals are of great concern because once they accumulate in the ground they can never be degraded or transformed into less harmful substances. Fortunately, some metals will damage plants before levels in crop tissue become high enough to harm animals or humans that injest the crops. This protects the food chain. Other metals like cadmium and molybedenum can exist in crops at levels harmful to humans without having any observable effect on plant growth.

The experiment station scientists have specified maximum metal loadings for northeastern soils. Once the maximum is reached on a particular piece of land, no more sludge containing heavy metals should ever be applied.

Unlike heavy metals, toxic organics do not remain in the soil permanently. However, they resist biodegradation and may persist in the soil for several years. Scientists have conducted less research in the area of plant uptake of toxic organics, but believe plants do not significantly accumulate these substances directly. However, such compounds may adjere to plants during sludge application and could endanger grazing animals or contaminate crops that are eaten raw or with minimal processing.

Because scientists have not yet established levels of toxic organics in sludges that present a significant health risk, this is one of the most difficult aspects of sludge application to deal with, Elliott says. One solution is to delay growing crops for direct human consumption until natural degradation processes have significantly reduced toxic organic levels in the soil.

Of the three types of toxic substances in sewage sludge, pathogens are the most easily controlled. Sludge is routinely treated at municipal wastewater treatment plants to reduce levels of disease-causing bacteria, protozoa and parasites. Furthermore, soil is a hostile environment for most of these pathogens. Consequently there have been no documented cases of disease transmission resulting from land application of sludge that was properly treated at a municipal plant.

Elliott feels that with proper management, land application is an ideal means of sludge disposal because it allows beneficial utilization of the nutrients in crop production. When sludge characteristics or soil conditions do not permit safe application on agricultural land, sludge can be spread in nonagricultural areas such as strip mines, sod farms, and gold courses.

The Agricultural Experiment Station scientists have been attempting to define safe spreading conditions for the Northeast. They hope to publish their final recommendations by January, 1983. Ultimately the decision to accept or reject the recommendations, or to adopt even more stringent guidelines, with rest with the individual states.

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SAVE COWS, TIME & BEDDING

Flat belts shipped same day as order

SAVE 40% on New Replacement Belts For Farm Machines

- Bale Thrower Belts **$52.00**
- Grove-Gehl-Int.-S.U. Wagon Box Belts **$98 to $120**

Also Available: Bean Picker Belts & Big Round Baler Belts

Any flat belt can be custom made for your farm machinery (cleats installed). Belts shipped same day by UPS.

For more information, write:

Bob Gabel

Rt. 16, Chaffee, New York

Phone Collect: 716-496-6025

PUBLIC SALE

"NEW YEAR'S DAY"

JANUARY 1, 1983

10:30 A.M.

FARM EQUIPMENT - STORAGE BINS & TRUCKS

Glendale Farms - Dillsburg, Penna

Located - Take Rt. 74 south from Dillsburg (off Rt. 15) to Rt. 194 south to 1st road on right, only 2 miles from Dillsburg, Pa.

"Watch For Signs"

TRACTORS

Massey Ferguson 1135 Diesel w/ cab & heater - 1200 hrs. Allis Chalmers 185 Diesel w/1700 hrs. Swarts Loader Quick Tach for A.C. 185 & others. Massey Ferguson 7 hp. riding mower. Antique tractor - Gibson w/snow plow & bottom plow, made in Longmont, Colo. Oliver 1750 diesel, over & under & wide front.

COMBINES

International 1440 Auxiliary Flow Diesel Combine w/1100 hrs. & 15 ft. grain head w/floating cutter bar, heater control. 6 Row Corn Head for Int. Combine narrow row.

TRUCKS - TRAILERS

1980 Chev. C20 Pick-up 24,000 mi. 1974 Mack Truck Tractor Twin Screw & 5 speed Maxidine trans. w/wet line. 1968 Chev. Grain Truck 16' w/hoist, 26000 GVW. 1961 GMC Tool Truck. Wolverine Goose Neck Trailer 40 ft. w/tandem Dual Wheels. 28' Donahue Equip. Trailer. Mobile telephone Unit, complete. 1966 Brockway truck tractor, tandem, 15 speed Road Ranger, Hendricks suspension, 335 Cummins, as is for parts.

STORAGE BINS & AUGERS

Brock 28,000 Bushel Bin w/False Floor 36' Diameter. Brock 7000 Bushel Bin, False Floor, 27' Diameter. Shiver System 10 hp. Propane fan. 51 ft. Grain Auger 8" w/Transport.

TILLAGE EQUIP.

Int. 710 5 Bottom Plow - 18" or 20" Bottom. 12' Pittsburg Transport Disc. (2) 9 Tooth Soil Master Chisel Plows (pull type). A.C. 2500 Fold Disc. 19' Dunham Cultipacker w/fold up wings. 13' Massey Harris Rotary Hoe. 6 Row A.C. 333 No-Till Planter dry Fertilizer & Insecticide (Narrow Row). (2) Massey Fergusen 43 Grain Drills (1 has double disc openers & press wheels).

MISC.

7' New Idea Trailer mower, C80 Woods Rotary (pull type), 8 ft. Massey Ferguson 3 pt. Blade, J & M Gravity Bin 350 bu. w/Pipen wagon, 2 - 200 gallon tractor mtd. sprayer tanks, 2 - 1500 gallon storage tanks for spraying, PTO sprayer pump, 3 hp. gas motor w/pump, New Holland 800 Spreader tandem axle, 11 hp. Lincoln portable welder & 45 Watt Generator, Portable gas tank (pick-up truck mtd.), hydraulic cylinders, chain, misc. tools, bolts & etc.

AUCTIONEER'S NOTE: Most of this equipment was bought new with in the last 4 years & has been taken very good care of. This equip. is ready to go to the field. Not many small items so sale will start promptly at 10:30 A.M., all items will be sold, no reserved bids. Full settlement sale day. "TITLES" for vehicles will be mailed to buyer with in 1 week of sale.

OWNER:

ALBERT L. GLENN

Glendale Farms

Daytime: 717-545-6400

Evening: 717-432-2630

AUCTIONEER: Blaine N. Rentzel

Emigsville, Pa.

Daytime: 717-764-6412

Evening: 717-266-1671

Pictures, valuable farm tools

YORK — Pictures are an excellent management tool to provide farmers with accurate documentation of subsurface drain (tile) locations, according to Lee B. Bentz, soil conservationist, U.S. Soil Conservation Service, York.

"I've been on many farms where a lot of time and money were spent searching for a subsurface drain line based on the owners memory as to where the line was installed several years ago. It's time consuming, frustrating to all concerned, and the randon digs don't do the field any good either," says Bentz.

Several years ago SCS began suggesting that farmers document drain line locations by taking pictures of fields shortly after the installation was completed. These pictures are a fast, low-cost method of recording the location of the drain line for future reference. Farmers using this system have reported good results when they need to locate an old line for maintenance or the addition of more drains, Bentz says.

Bentz lists the following tips to make maximum use of pictures in locating subsurface drain lines:

- Take color print or polaroid pictures of newly completed (backfilled) subsurface drains as soon as possible after construction.
- Take several shots of the whole job, if possible, from several different angles. Always include an easily identifiable landmark, i.e. silo, telephone pole, tree, fence corner, etc. for future reference in pinpointing drain line locations.
- Be sure the location of drain line junctions are well documented. If there are problems in the future, junction areas are a good place to start to correct the trouble.
- Good documentation of drain line termination points also is important in the event additional footages of drainage are needed at a future time.
- If more than one field is recorded on the same film, keep a written log as to what range of pictures apply to which field. Example: Pictures 1 to 10, Field 4; Pictures 11-15, Field 7, etc.
- Have film developed promptly.
- File pictures by field number along with any descriptive notes pertinent to the job, i.e. size of material used, name of manufacturer, length installed, date of installation, contractor, etc. Keep this data with other crop management data kept on a field by field, year by year basis.

Pictures provide a permanent record of value to the present landowner-operator, any future tenants, and makes a good selling point if the farm ever goes up for sale, concludes the conservationist.

Think conservation this winter

CHAMBERSBURG — Winter is a good time for farmers to plan next year's crop rotations, seedings, and conservation practices, states John R. Akers, district conservationist with the Chambersburg office of the USDA Soil Conservation Service.

Farm planning evaluates what the soil's potential is for the farm and how they can be protected from erosion and excess surface water runoff. Erosion causes soil fertility losses that require extra fertilizer to maintain crop production.

Soil conservationists meet with farmers and review each crop field, recommending conservation practices that will be helpful in reducing soil loss, slowing surface water runoff and improving the soil fertility.

Public Sales

A public auction of real estate in Huntingdon County was held Dec. 11 by Hess Bros. Farms Inc. Profit Sharing Trust Fund.

The 254 acres of prime woodland is situated 9 miles north of Raystown Lake and was sold for $351 an acre or $89,462 to Aaron Z. Horst and Irvine M. Good of Terre Hill, Pa.

Auction conducted by Randal Kline, Lloyd Kreider & Roy Good, Jr.

xxx

A two-day public auction was held Dec. 10 and Dec. 17 by John W. Lewis, Jr. along Rt. 372, midway between Quarryville and the Buck, Lancaster Co.

Results of the first day were: Dietz light $100, 1930 magazines $19, iron rooster bank $130, peanut butter jar $47.50, Planters Peanut jar $35, peanut butter glasses $5 each, round oak table $180, 6 oak chairs $108, hall rack $200, washstand $105, vibrator chair $205, brass bed $145, wooden butter churn $75, 6 gallon crock $28, 8" decorated crock $85.

Auctioneers were Lloyd H. Kreider, Randal V. Kline & Gary L. Shirk.

xxx

An absolute auction of valuable antiques was held Dec. 11 for Mr. and Mrs. Finch of Church Hill, Maryland. The sale was held at the Odessa Fire Hall in Odessa, Del. and admission was by $5 catalog only. People attended from New York, Washington, D.C., Va., N.J., Philadelphia and Baltimore.

Some outstanding prices were: walnut corner cupboard $2,800, two-part high walnut chest w/web feet $8,800, Balti. Heppelwhite mahogany secretary $4,100, mahogany tilt-top table $2,050, Chippendale walnut chest of drawers $4,700, Heppelwhite Balti. chest / matching bookcase top $4,400, 100 pieces of Canton up to $500 each, set of Coalport dishes $550, pair of silver candle sticks 1759 $2,100, metal candle holder w/snuffer $500, footed snuffer tray $400, 5 pc. sterling tea & coffee set $2,000, framed needlework on silk $725, early brass candle sticks up to $425 each, Phila. Queen Ann side chair $2,500, Queen Ann side chair w/balloon seat $1,000, banquet table $1,000, set of 6 anqitue Country Chippendale cherry side chairs $6,900, pair of early oils on canvas $1,900, Chippendale mirror w/eagle $1,200, Chippendale mirror w/brass candle scone $1,000, Heppelwhite Pembroke dropleaf table $3,500, Chippendale chest $2,700, oriental rugs $1,400 & $1,750 and portrait by Sire Godfrey Neller $1,500.

Harry Rudnick & Sons, Inc. were the auctioneers.

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

DECEMBER

SAT. DEC. 18 - Public Sale of Household Goods, Antiques and Farm Machinery. Located ½ mi. west of Parkesburg. Clarence and Laura Varnes, Owner. Steve Petersheim, Auctioneer.

SAT. DEC. 18 - 10 A.M. Public Sale of Real Estate, Farm Equipment, Butcher and Other Tools and Household Goods. Located just off Stricklerstown Rd., approx. ½ mi. off Rt. 897 between Kleinfeltersville and Newmanstown, Middle Creek Twp., Lebanon Co., PA. William L. and Shirley A. Smith, Owners.

SAT. DEC. 18 - 9:30 A.M. Public Sale of Antiques and Personal Property and Etc. Located from Longstown Intersection take Rt. 124 East towards East Propsect, approx. 2-3 miles on Rt. beside Locust Grove Elementary School. Lloyd W. Fauth, Owner. Bradley K. Smith, Auctioneer.

SAT. DEC. 18 - 10 A.M. Public Sale of Cattle and Machinery. Located on Tripoli Road in Cuyler just off Rt. 13, approx. 5 mi. north of Truxton and approx. 5 mi. south of DeRuyter. Tripoli Farms, Owners, Jack Wood's Livestock and Auction Service.

SAT. DEC. 18 - 1 P.M. Public Sale of Swine. 11th Duroc and Yorkshire Sale. Harry Bachman, Auctioneer.

SAT. DEC. 18 - 9:30 A.M. Public Sale of Real Estate, Farm Machinery, Tools and Household. Located 760 Long Corner Rd., Mt. Airy, MD, from Frederick take Rt. 70E to Rt. 275 approx. ¼ mi. to Rt. 144E approx. 4 mi. to Long Corner Rd., turn right, sale site is the 1st farm on right. Margarethe B. Holtzinger, Owner. Trout Auctioneer, Inc.

TUES. DEC. 21 - 5:30 P.M. Farmersville, Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer

TUES. DEC. 21 - 2 P.M. Public Sale of Farm Real Estate. Located in Southampton Twp., Cumberland Co., PA, from Shippensburg on South Fayette St., travel approx. ½ mi. to the last farm on the left before Exit 9 of I-81. Estate of Howard M. Etter. Daniel D. Hershey, Auctioneer.

MON. DEC. 27 - 9:30 A.M. Consignment Sale.

NEED MORE ROOM? Read The Classified Real Estate Ads

PENNSYLVANIA WORLD RELIEF HEIFER SALE
THURSDAY, MARCH 10, 1983

Guernsey Sales Pavilion, Lincoln Highway East, Lancaster, PA

Plans are being made for the third annual heifer sale. Donations will be accepted of registered and grade Holsteins, 6 months old to open and bred heifers.

Information of cattle needed by Jan. 25, 1983. All sale proceeds will be channeled thru the Penna. Relief Sale to the Mennonite Central Comm., Akron, Pa. to help clothe the needy and feed the hungry of the world.

Plan now to support this worthy project.

For information contact:
Kenneth Beiler, Gap, Pa. - 215-593-6434
Eldon Crider, Chambersburg, Pa. - 717-597-3977
Darell Delp, Souderton, Pa. - 215-723-1565
Joe Fisher, Gordonville, Pa. - 717-687-7566
Earl Fuhrman, Hanover, Pa. - 717-637-9593
Jason Hertzler, Milton, Pa. - 717-437-2139
John Harnish, Lancaster, Pa. - 717-464-3752
Clyde Martin, New Holland, Pa. - 215-445-6008
Kore J. Peachey, Milroy, Pa. - 717-667-3107
Sylvian Ressler, Quarryville, Pa. - 717-786-2103
Harold Shellenberger, Mt. Joy, Pa. - 717-786-2103
E.L. Stoltzfus, Elverson, Pa. - 215-286-5995
Amos Z. Stoltzfus, Kennedyville, Md. - 301-348-5765

Auctioneers —
John Umble, Atglen, PA - 215-593-5756
Lee Kurtz, Cochranville, Pa. — 215-593-5387
Omar Stoltzfus, Oxford, Pa. - 717-529-6301

Pedigree — Dale Hoover, Lebanon, PA 717-867-2489

Sales Manager —
Wilmer G. Kraybill
R.D. 3 Box 17
Elverson, PA 19520
Ph. 215-286-9576

PENNSYLVANIA ALL BREED BRED GILT SALE
JAN. 10-11, 1983
Farm Show Bldg. Harrisburg, Pa.
Small Arena
Sale Arena Phone (717)-787-4160

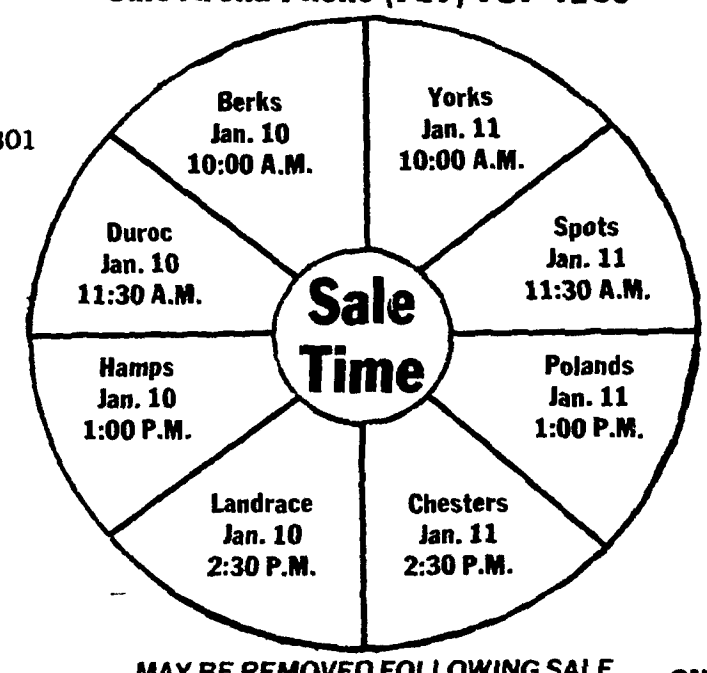
Berkshire:
Arlie Cornbower
#1 Box 41
New Freedom, PA 17349

Chester White:
Charles Griest
Rt. #1
Abbottstown, PA 17301

Duroc:
Rick Pfautz
RD#1
Stevens, PA 17578

Hampshire:
Charles Bomgardner
RD#3 Box 604
Annville, PA 17033

Auctioneer:
HARRY BACHMAN
138 College Ave.,
Annville, PA 17003
Tel. 717-867-1809



MAY BE REMOVED FOLLOWING SALE WHEN SETTLEMENT MADE

Landrace:
Larry Baum
RD3 Box 422
Elizabethtown, PA 17022

Poland:
Keith McConnell
Box 46
Volant, PA 16156

Spotted:
Clair Hartman
Box 222
Gratz, PA 17030

Yorkshire:
Leon Arnold
RD#7 Box 705
Lebanon, PA 17042

PA. CO-OP SWINE BREEDERS ASSN.

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

Located at S. Race St., Myerstown, Pa. 17067. Sale held by Wengers Farm Machinery, Inc.

TUES.-DEC. 28 - 9 A.M. Public Sale of Antiques. Located 7 mi. southeast of Kutztown in Longswamp, PA, just east of Topton. Paul and Alice Johnson and Leland Smith, Owners. Ralph W. Zettlemoyer Auction Co.

TUES. DEC. 28 - 10 A.M. *Public Sale of Surplus City* Hall Furnishings. Located at Harrisburg's Old Municipal Building, Fifth and Walnut Sts., Harrisburg. City of Harrisburg, Owner. John T. Ensminger and Kerry Pae, Auctioneers.

JANUARY

SAT. JAN. 1 - 9:00 A.M Farmersville, Auction in Farmersville, New Year's Day Antique Sale, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer

SAT. JAN. 1 - 10:30 A.M. Public Sale of Farm Equipment. Located at R D. 1, Mohrsville, Centre Twp., Berks Co. Aden K. and Anna Mary Oberholtzer, Owners. Horning Farm Agency, Inc., Auctioneers.

SAT. JAN. 1 - 10:30 A.M. Public Sale of Farm Equipment, Storage Bins and Trucks. Located taking Rt. 74 south from Dillsburg off Rt. 15 to Rt. 194 south to 1st road on right, only 2 mi. from Dillsburg, Pa. Albert L. Glenn, Owner, Blaine N. Rentzel, Auctioneer

THURS. JAN. 6 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

FRI. JAN. 7 - 5:30 P.M. *Gap Auction.* Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

FRI. JAN. 7 - 10 A.M Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

SAT. JAN. 8 Consignment Auction of Used Farm Tractors and Equipment at our place of business on corner of Rt. 38 and 38B, Newark Valley, NY Sale by Goodrich Auction Service 607-642-8688

MON. AND TUES. JAN. 10 and 11 - 10 A.M. Public Sale of Swine. Located at Farm Show Building, Harrisburg, PA, Small Arena PA All Breed Bred Gilt Sale. Harry Bachman, Auctioneer

TUES. JAN. 11 - 12.30 sharp. 4th Annual Draft Horse and Mule Consignment Sale located at Kingsport Livestock Market, just off Hwy. 11-W Mack Blevins and Danny Mouser, Auctioneers.

FRI. JAN 14 - 5:30 P.M. Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

THURS., JAN. 20 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

FRI. JAN. 21 - 5.30 P.M Gap Auction Antiques and Household Goods sold at every auction Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI. JAN. 21 - 10 A.M Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr 717-354-4341 or Norman Kolb 717-397-5538

FRI JAN. 28 - 1 30 P.M. Dairy Cattle Sale at Penns Valley Livestock Auction, Centre Hall, PA

FRI. JAN 28 - 5.30 P.M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FEBRUARY

FRI. FEB. 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc., New Holland, Penna

SAT. FEB 5 - 2 P.M Public Sale of 2½ Story Frame Dwelling and Barn on 1 Acre of Land Located at 181 E Main St., Leola along Rt. 23 in the Village of Bareville, John Henry and Esther H. Weaver, Owners. Robert E and Jeffrey R Martin and Frank L Steller, Auctioneer

FRI. FEB 11 - 10 A M *Horse Sale at New Holland Sales Stables,* Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr 717-354-4341 or Norman Kolb 717-397-5538

FRI. FEB 11 - 11 A M Public Sale of Construction Equipment, Cars, Trucks, Loaders and Etc Located in Felton, DE Carroll's Sales Co , Inc

SAT FEB 12 - Public Sale of Farm Machinery, 23 Head Holsteins, Household Goods, Antiques, Ear Corn and Silage Located 2 mi east of Gap. James and Elizabeth F Stoltzfoos, Owners Steve Petersheim, Auctioneer

THURS. FEB. 17 - Public Sale of Holsteins and Farm Machinery. Located in Catawissa, Columbia Co Amos Lapp, Owner Steve Petersheim, Auctioneer

SAT. FEB 19 - 10 A M Tack, 11 A M Horses Consignment of all kinds of horses. Located at the Belleville Livestock Market Special Horse Sale

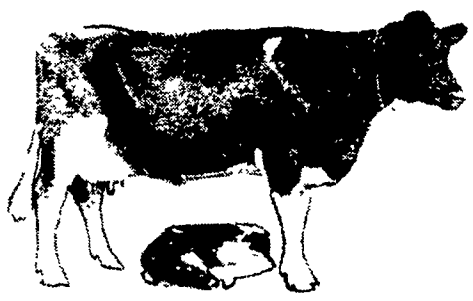
SAT. FEB 19 - Public Sale of Farm Machinery and Cattle Located ½ mi east of Honey Brook. Amos K and Lydia B Blank, Owners Steve Petersheim, Auctioneer

MON. FEB. 21 - Public Sale of Farm Equipment and Tools Located at R D 1163 Bethel, Pa. Daryl G and Doris E Martin, Owners. John E. and Paul E Martin, Auctioneers

TUES FEB 22 - Public Sale of Cattle and Farm Machinery Located 2 mi east of Strasburg Jonas E. Fisher, Owner Steve Petersheim, Auctioneer

TUES FEB. 22 - Public Sale of Tractors, Farm Machinery Along Meadow Valley Road near Ephrata, PA. Sale by Edwin Horning Horst and Rentzel, Auctioneers

THURS FEB. 24 - Public Sale of Farm Machinery and Household Antiques Located 2 mi east of Intercourse Emanuel Zook, Owner. Steve Petersheim, Auctioneer



CHRISTMAS TIME SALE DAY SALE

Herd dispersal of Gregory Estate at Shady Lane Dairy Sales, Inc. ¼ mile west of Quarryville, Pa. off Rt. 372 on Oak Bottom Rd.

TUESDAY, DECEMBER 21, 1982
11:30 A.M.
Snow Date - THURSDAY, DECEMBER 23, 1982
11:30 A.M.
82 HEAD OF REGISTERED AND ID GRADE HOME RAISED HOLSTEINS

This herd consists of 55 mature cows 14 bred heifers, 23 breeding age heifers down to calves. Several cows and 1st calf heifers strictly fresh, 10 dry and due soon. Balance all stages of lactation.

Last years DHIA 305 days Herd Average 16,882m 3.7% 623fat

Some individuals selling include; Gert 20,158m 3.1% 642f, Reg. Holly 20,476m 3.3% 677f, ID Grade Winnie 23,484m 3.5% 829f, Spitfire 20,793m 3.5% 719f, ID Grade Twinkle 20,740m 3.3% 681f, ID Grade Kelly 20,446 3.9% 801f, Reg., Sorks 23,650m 3.5% 819f, ID Grade Combice 20,827m 3.4% 711F, Pearl 19,762 3.4% 670F, Marlyn 19,062m 3.8% 716f. Many 3 year olds with records to 17,000 and 18,000 milk.

Many years of hard work with Sire Power breeding using only better bulls. Always breeding up in type and production. Cows have exceptional size some weighing up to 1,800 lbs. Many 1st Calves weight up to 1,200 lbs. This is a rare opportunity to buy from an outstanding herd being offered only because of death of owner.

Also selling 20 head of fresh and close Registered and grade Holsteins.

Note: This is a Christmas week sale, there will be a gift with every cow on sale.

Make plans to join us at this Estate Sale in our New Heated Sales Arena. Free Transportation for Lancaster Co. Amish.

Certified and Accredited **30 Day TB and Blood Test**
Pregnancy Checked Vet.

Sale by SHADY LANE DAIRY SALES, INC.
RD#4 Box 463
Quarryville, Pa. 17566

Glenn D. Fite
717-786-2750

David L. Fite
717-786-1725

Terms of Sale are Cash or Good Check Sale Day

BRUCE CLOUSE FARM DISPERSAL

Rome, PA
WED. DEC. 22
at 12:30 P.M.

Sale to be held at Glenn Thetga Farm, Rt. 187, 18 miles north of Towanda, PA, 2 miles south of Nichols, NY.

27 HOLSTEIN CATTLE
Some Registered

11 Cows handling and springing, balance all stages, 30 day blood and TB tested, vet examined.

FARM EQUIPMENT

Ford 5600 tractor, 455 hours, with Ford 727 QT loader, Gehl 300 chopper, 2 heads, Gehl 810 su wagon, NH 271 baler with thrower, IHC 540 manure spreader, Oliver 3 bottom trailer plow.

PRODUCE

2 silos of corn silage and quantity big, round bales.

MILKING EQUIPMENT

3 DeLaval milkers

Terms: Cash or good check.

Owner,
BRUCE CLOUSE

Howard W. Visscher,
Sales Manager and Auctioneer
Nichols, NY
607-699-7250

PUBLIC AUCTION

ANTIQUES
TUES. DEC. 28, 1982
at 9 A.M.

Located 7 mi. SE of Kutztown in Longswamp Pa. (Just east of Topton)

CHERRY dropleaf tapered gateleg table; 55" round carved pedestal table w/ball & claw ft.; set 4 deco. ½ spindle plank chairs; (2) 9' Oriental runners; 72" OAK roll top desk; OAK carved dropleaf card table; Vic. sofa & needlepoiont chair; marble top table; sm. Chinese table; OAK 4 sec. bookcase; ½ spindle plank setee; marble top dresser; nice carved wdn. hobby horse; Charlie McCarthy puppet; Shirley Temple doll; Fig. 8 & Banjo clocks; 2 camelback trunks; spinning wheel; flax winder; spindle type wall mtd. hat & coat rack; 3 color coverlet signed Wiand, Trexlertown 1838; lg. 2 wheel Enterprise coffee grinder; dovetailed blanket chest w/red paint; straw beehive basket; 2 brass buckets; butcher fork & ladles; butcher bench; blacksmith forge; pot belly stove; Lindermuth oil paintings; lg. framed award sealed & signed Napolean; set HAWKES crystal stemware; nice 43 pc. Amber flashed stemware w/cut bird & deer scene; few pcs. sterling; Silver tea service; Noritake service for 8 china; Limoges, Belleck; lg. Ironstone tureen; CHICKERING Baby Grand piano, good cond.; Chippendale repro. highboy & 6 needlepoint chairs; 1951 FORD Car; plus many items too numerous to mention.

Terms - Cash or Pa. Check

Held for
PAUL & ALICE JOHNSON & LELAND SMITH

Conducted by
Ralph W. Zettlemoyer
Auction Co. Inc.
215-395-8084

END OF THE YEAR HOLSTEIN DAIRY COW SALE

FRIDAY, DECEMBER 31

1:00 Sharp

To be held at Smoketown Quality Dairy Sales Co., Smoketown, Pa. Rt. 340. 5 miles E. of Lancaster, 5 mi. W. of Intercourse.

4 REGISTERED VACCINATED HEIFERS

One Reg. Born 6/25/82 and one Reg. Born 5/19/82. Both Heifers sired by Elm-Smith Marques Mariner VG 87 +309 TPI +1522M +23F. Daughters average 17,417M 600F.

One Registered born 5/11/82 sired by Sweet Haven Lochinvar Boots VG 86 +209 TPI +1078M +22F. Daughters average 17,277M 3.6T 614F.

One Born 7/8/82 sired by Kler-Vu-Charisma EX92 +397 TPI +673M +20T +54F. Daughters average 16,153M 3.9T 634F.

One Registered Cow born 3/21/78 Palmamar Milestone VG. Daughters average 16,578M 3.75T 621F. GrDam 4 yrs. 14,040M 3.8T 537F; 5 yrs. 16,360M 3.7T 605F; 6 yrs. 16,210M 3.5T 560F.

WATCH FOR MORE DETAILS IN NEXT WEEK'S ISSUE

Sale managed by

SMOKETOWN QUALITY DAIRY SALES CO.

GORDON & HELEN FRITZ

717-393-0930

CONSIGNMENT AUCTION

MONDAY, DECEMBER 27, 1982

9:30 A.M.

Large Selection of JD, IH, Ford, MF, Case, Oliver, AC, Tractors, Machinery and Construction

Consignments Accepted Anytime -

Reasonable Commission

ABSOLUTE AUCTION ITEMS INCLUDE:

(Partial Listing Only)

JD 4400 Combine w/1100 Hours - Nice
JD 444 Cornhead
JD 4020 Diesel - Power Shift (As is)
Long 550 Diesel
JD 60 w/NI 12 Roll Mtd. Picker
Ford 340 Skid Steer
JD 7000 8 Row 30" Planter
IH 56 4 Row Planter
Ferg. 2x3 pt. Planter
6 Tobacco Toppers
Flat Wagon
Ford 3 pt. Flail Mower
JD 18 1 Row Picker
David Bradley Sickle Mower
Souders Loader
Ford 2x3 pt. Plow
White 12' Transport Harrow
AC 6 Row 3 pt. Rolling Cultivator (Demo)
6' 3 pt. Blade
5' 3 pt. Rotary Mower
3 pt. Carry All
3 pt. Boom Pole
JD 2 Row Cultivator
IH 21 Double Disc Drill
NH 352 Feed Mill
7' 3 pt. Blade
3 pt. Woodsaw
JD 110 Tractor w/Blade
3 pt. Seeder
IH 28 Blade Disc
JD Offset Disc
JD KBA Disc
Ferg. 3 pt. Mower
Oliver 3X Roll Over Plow
IH Chisel Plow
Case Field Cultivator
MF Snow Plow
5' Snow Plow (New)
IH #10 Forage Wagon
JD Moisture Tester
Hog Pregnancy Tester
20 - Vanton Water Pumps
15 - Vanton Brass Pumps
15 - Sherwood Gear Pumps
JD 14' Field Cultivator

Terms: Cash or Good Check.
Financing Available If Contacted
5 Days Before Sale.

Sale Held At:

WENGERS FARM MACHINERY, INC.

251 South Race St.
Myerstown, PA 17067
(717) 866-2135

AUCTIONEERS:

FRED GOODRICH — GLENN WENGER
BLAINE RENTZEL — CURT HOWARD

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

FRI. FEB. 25 - 9 A.M. Public Sale of New Used and Abused Farm Equipment, Tools, Antique Tractors and Engines. Located 10 mi. east of Lancaster between Leola and New Holland, turn off Rt. 23 on S. Groffdale Road, turn left on Musser's School Road, Lancaster Co., PA. Terms by Elias S. Beiler. Auctioneers - Robert E. and Jeffrey R. Martin 656-7770, Frank Steller and Blaine Rentzel.

FRI. FEB. 25 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa., For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

PUBLIC AUCTION

CONSTRUCTION EQUIPMENT CARS, TRUCKS, LOADERS, ETC.

FRIDAY, FEBRUARY 11, 1983

11 A.M.

Felton, Delaware

Attention Contractors & Equipment Dealers
Consignments are now being taken.

Consign Now

Call or write us for consignments forms.

Chester Lee Carroll — Richard B. Carroll
Anthony B. Carroll — Harry Barrett, Jr. Sls. Mgr.

Carroll's Sales Co., Inc.

P.O. Box 307, Felton, Delaware 19943
302/284-4911 — 302/284-4541

PUBLIC SALE

OF VALUABLE FARM REAL ESTATE

TUESDAY, DEC. 21, 1982

2:00 P.M. on Premises

The undersigned, as executors of the estate of Howard M. Etter, deceased will offer for public sale an eighty (80) acre farm located in Southampton Township, Cumberland County, Pennsylvania. If leaving Shippensburg on South Fayette St., travel approx. ½ mile. Turn right on Route 696 south for approx. 1½ miles to the last farm on the left before Exit 9 of Interstate 81.

This farm is improved with a 2½ story wood, stone and brick house; 4 rooms on the first floor with modern built-in kitchen; 4 rooms on second floor with full bathroom; ½ story as attic; oil fired, forced-air heat; standing seam tin roof.

Also having two story stone, frame and weather board bank barn with 2 barn floors; mows on both sides; graineries; barn hill and first floor are concreted; stalls for 25 head of cattle; 3 box stalls; nice-sized concrete block milkhouse attached to barn; implement shed attached to barn; standing seam tin roofs.

Outbuildings include: wagon shed with two corn cribs attached; hogpen; chicken house; and others.

Good well of water with running water in house and barn.

This farm will be offered in three (3) separate parcels:

The parcels consist of the following:

1. Eighteen and one tenths (18.1) acres of farm and woodland located on the south side of Interstate 81.

2. Thirty-seven and four tenths (37.4) acres of farmland including all buildings located on the south side of Route 696.

3. Twenty-four and nine tenths (24.9) acres of farmland located on the north side of Route 696.

Parcels 2 and 3 have ample road frontage on Route 696.

(Note: This farm is centrally located consisting of productive limestone ground. House, barn and outbuildings are in good state of repair.)

Terms of Sale: 10% down on the day of sale. Balance in full and final settlement Feb. 1, 1983. More information will be read on the day of the sale. For inspection by appointment, call 243-7237 or 243-3004 or 532-6453.

By Guy W. Etter, Arthur G. Etter & Abbie J. Myers, Executors
OF THE ESTATE OF HOWARD M. ETTER, DECEASED
Robert M. Frey, Attorney
Daniel D. Hershey, Auctioneer

Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw and Corn Sales
Every Wednesday at 12:00 Noon

DAVID H. GOOD & SONS

111 North Maple Ave., Leola
717-656-9558

FARMERSVILLE AUCTION

TUESDAY, DECEMBER 21, 1982

5:30 P.M.

In Farmersville, 3 mi. east Brownstown, Lanc. Co. Pa.

2 Maytag wringer washers (1 like new); double rinse tubs; Kerosun 9600 B.T.U. kerosene heater; base cabinet; crib; utility cabinet; automatic coal heater; coal stove; 3 new Perfection kerosene stoves (1 with oven); RCA A.M. & F.M. radio; 1 black & 1 white gas range; 2 china closets; bathroom vanity; 6 new quilt tops; 1 new Log Cabin quilt; 1 new crib quilt; 8 pr. ice skates; large sled; 2 high chairs; childs rockers; lot of misc. Christmas decoration items; box lots; dishes; etc.

Free Prizes At End Of Sale
WE SELL ON COMMISSION

Call JOHN J. RUTT
354-5095

Consignments being accepted for our New Years Day Antique Sale.

PUBLIC SALE

OF FARM EQUIPMENT

SATURDAY, JANUARY 1, 1983

At 10:30 A.M.

From Reading take Rt. 61 north through Leesport, watch for sale signs. Located at the north end of Centerport along Bern Rd., Centre Twp., Berks Co., Pa.

856 Int. Diesel w/Turbo; 674 Int. Diesel; D-17 Allis Chalmers, gas; 4600 Gehl Skid Loader (less than 3 yrs. old); Ferguson 30 Tractor w/3 pt. hitch blade; MF 410 Diesel Combine - 13' grain table & #33 Corn Head; M.F. 124 Pickup Baler w/bale thrower; C.B. 600 Gehl Harvester - corn & hay heads; N.H. 469 Haybine; New Idea 323 Single row corn picker; BW John Deere 28 Blade Transport Disc; 207 Hawk Bilt Manure Spreader; Walsh Trailer Crop Sprayer; Oliver 575, 4 Bottom, 16" Hydraulic Reset Plow; M.F. Dyna Balance 7' Trailer mower; 4 Row Oliver Corn Planter - liq. & dry hoppers; Gehl 95 Bu. Grinder-Mixer - 21" Mill; N.H. Rolabar 56 Hayrake; J.D. Ensilage Blower; 10' New Idea Lime & Fert. Drill; 2 McCurdy Grain Bins on New Idea Running Gears; John Deere 10' Pulvimulcher; Gehl 3 Beater 16' Forage Wagon; Dion 3 Beater 16' Forage Wagon; 3 - 18' Hay Rack Wagons w/Heavy Duty Running Gears; 1 - 16' Hay Rack Wagon; Niemeyer 16' Hay Tedder; Int. Flail Chopper; 10' Field Cultivator; 3 Sec. Rotary Hoe; Flat Wagon - N.H. Running Gear; Marting Manu-head Chute w/Hyd. lift on Wheels, like new; N.H. Wagon Running Gear; 30' Farmec Bale Elevator; Subsoiler for Allis Chalmers Snap Coupler; Onan 25KW Generator on wheels; 2 Speed 40 Ton Hyd. Press; Elec. Welder; Acetylene Torch; 2 Speed 4 Ton Hyd. Lift; Elec. Band Saw; Vulcan 3 pt. hitch Fertilizer Spreader w/attach. trailer; Snow Blade for H or M Farmall; 1100 Gal. Fert. Tank - poly; Pump w/elec. motor for Liquid Fertilizer, etc.; 4 Wooden Calf Hutches; Surge Alamo Vacuum Pump - used 2 yrs.; Wic Bedding Chopper; Bray Magnet Breedign Chart; No. 100 Int. Elec. Fencer; 12 hole Pig Feeder; Nuts, Bolts, Shovels, Forks, Chains, Items off Wagon. COME EARLY - Not many small items - Farm Equipment to be sold around 11:00 A.M.

Terms by:

ADEN & ANNA MARY OBERHOLTZER

Elton & Alvin Horning, Auctioneers
HORNING FARM AGENCY, INC.
Main St., Morgantown, Pa. 19543
215-286-5183

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

PUBLIC AUCTON

TUESDAY, DEC. 28th
10:00 A.M.
Harrisburg's Old
Municipal Building
Fifth & Walnut Sts., Harrisburg

SURPLUS CITY HALL FURNISHINGS

Diebold walk-in vault, 10 large safes, 150 double door Republic metal lockers, wood & steel shelving, 2 hand-operated paper balers, small printing press, file cabinets, card files, ledger storage cabinets, calculators, adding machines, 60+ desks, 200+ office chairs, 40+ room air conditioners, drop ceilings with grids & lights, fluorescent fixtures, counters, office partitions, room dividers, metal storage cabinets, water coolers, emergency lights, Onan natural gas powered 8 cyl. engine with a 62.5 K.V.A. 3-phase generator, Edpac climate control unit with air-cooled remote condenser; 3 ton Carrier central air conditioning unit with ductwork.

SPECIAL MENTION 12 ANTIQUE JAIL CELLS & many more items too numerous to mention. TERMS CASH. Removal of items within 4 working days. Items may be seen 2 hrs. prior to auction.

Auction conducted for City of Harrisburg
Stephen R. Reed, Mayor
Sandra Wolf, Purchasing Agent
John T. Ensminger &
Kerry Pae, Auctioneers
717-233-7420

SAT. FEB. 26 - Public Sale of Farm Equipment and Household Goods. Located along Bridgeville Rd., east of Goodville. Aaron and Mary Shirk, Owners. Nevin Martin and Paul Hurst, Auctioneers.

SAT. FEB. 26 - Public Sale of Farm Machinery. Located 2 mi. west of Honey Brook. Robert Campbell, Owner. Steve Petersheim, Auctioneer.

SAT. FEB. 26 - Public Sale of Farm - Equipment Located along Cloverleaf Rd. just off Rt. 283 at the Rheems-Elizabethtown exit, near the Norlanco Medical Center. Sale by Harlan M. Hoover. Raymond Miller and Rufus Geib, Auctioneers

MARCH

THURS. MAR. 3 - 11:00 A.M Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. MAR. 3 - 10:00 A.M. Public Auction of Outstanding linemodern John Deere Farm Equipment and other models located along Anchor Road, Box 195, Washington Boro, Pa. Sale by Mr. & Mrs. J. Wilmer Eby; Auction conducted by the J. Omar Landis Auction Service, Jay M. Witman and Omar Landis, Auctioneers

FRI. MAR. 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc., New Holland, Penna.

FRI. MARCH 4 - 9 A.M. Consignment of all kinds of machinery. Located at the Belleville Livestock Market. Annual Spring Machinery Sale.

SAT. MARCH 5, 1983 Bart Township 19th Annual Fire Co. Sale.

SAT. MARCH 5 - 9:30 A.M. Public Sale of Farm Equipment, Household Goods and Antiques. Located 2 mi. north of Bird-in-Hand, turn off Rt. 340 on Beechdale Rd. to Stumptown Rd., turn right, 1st road left on Millcreek School Rd. Elvin W and Lucinda M. Groff, Owners. Robert E. and Jeffrey R. Martin and Frank Steller, Auctioneers

FRI. MAR. 11 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23. New Holland, Pa For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

SAT. MARCH 12 - Public Sale of Farm Equipment, Located at 61 Clay Rd., Lititz, PA. Clarence W. Weaver, Owner. John E. and Paul E. Martin, Auctioneers.

SAT. MARCH 12 - Public Sale of Farm Equipment. Located near Lees crossroad, 6 mi east of Shippensburg. Charles Strohn, Owner. Nevin Martin and Melvin Sensenig, Auctioneers

SAT. MAR. 12 - Public Sale of Farm Equipment located between Mt. Joy and Mastersonville along Meadow Road (1 mile SW of Mastersonville) near Chiques Church of the Brethren. Sale by Guy Stauffer. Rufus K. Geib and Raymond Miller, Auctioneers.

MON. MARCH 14 - Public Sale of Farm Equipment located along School House Road just east of the Middletown exit of Rt. 283. Sale by J. Allen Dehomey estate. Raymond Miller and Rufus Geib, Auctioneers.

THURS. MAR. 17 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

THURS. MARCH 17 - Public Sale of Modern Farm Machinery and Personal Property. Located at the farm, 572 Millway Rd., Lititz, PA, from Lititz go 1 mi. north on Rt. 501, turn east on Newport Rd., 2 mi. to Millway Rd., turn left to farm. Estate of Jesse Balmer. Kline and Kreider, Auctioneers.

SAT. MARCH 19 - Public Sale of Full Line of Farm Equipment located along Route 501 Midway between Lititz and Lancaster Airport known as the Buckwalter Farm. Sale by John Fisher, Rufus K Geib and Raymond Miller, Auctioneers

SAT. MARCH 19 - Public Sale of Cattle and Farm Machinery. Located ½ mi south of Cains Irvin Eberly, Owner. Steve Petersheim, Auctioneer

SAT. MARCH 19 - Public Sale of Farm Equipment Household Goods, and Antiques, Located taking Rt. 30 west from Lancaster to Millersville-Rohrerstown exit, go through Rohrerstown, to 1st farm on right. Raymond S and Ruth E Brubaker, Owners. John E and Paul E Martin, Auctioneers

SAT MARCH 19 - Public Sale of Farm Equipment and Etc Located approx 3 mi north of Mount Zion, Lebanon County Paul S Hoover, Owner G Harvey Weik, Auctioneer

APRIL

THURS. APRIL 7 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

FRI APRIL 8 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc. New Holland, Penna.

APRIL 15 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

THURS. APR. 21 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SAT. APR. 23 - 17th Colonial Charolais Spring Sale. Located at the fairgrounds, Frederick, MD. Sponsored by the Colonial Charolais Assoc. Managed by Buzz Garey, Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA 19067.

FRI. APRIL 29 - 6 P.M. Special Heifer Sale Located at the Belleville Livestock Market.

SAT APRIL 30 - 3rd Annual Spring Public Auction of Hardware Items and Lawn and Garden Equipment by Farmersville Equipment Inc, Farmersville, Pa.

MAY

THURS. MAY 5 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

MAY 6 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc, 12 Miles East of Lancaster, Pa just off Rt. 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

THURS. MAY 19 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

JUNE

THURS JUNE 2 - 11.00 A M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS. JUNE 16 - 11 00 A M. Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

SAT. JUNE 25 - Colonial World Class Sale. Located at Stone-Del. Charolais Farms, Hartville, Ohio. The Colonial Charolais Association. Managed by Buzz Garey, Gary Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA 19067.

JULY

THURS. JULY 7 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. JULY 21 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

AUGUST

THURS. AUG. 4 - 11.00 A.M Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS AUG. 18 - 11 00 A M. Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

SEPTEMBER

THURS. SEPT 1 - 11.00 A M Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS SEPT. 15 - 11 00 A M Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

OCTOBER

THURS OCT 6 - 11 00 A M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS OCT. 20 - 11 00 A M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

NOVEMBER

FRI. NOV 4 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. NOV. 17 - 11 00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

DECEMBER

FRI. DEC 2 - 11.00 A M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

WE WOULD LIKE TO THANK ALL THE BUYERS AND DAIRYMEN AT OUR LANCASTER FARM CHRISTMAS SALE FRIDAY, DECEMBER 10.

PLEASE STOP BY AND CHECK THIS WEEK'S ARRIVAL OF NEW ENGLAND STATE FRESH GRADE AND PUREBRED COWS SHOWING LOTS OF MILK POTENTIAL.

TALL, STYLISH GRADE AND PUREBRED SPRINGERS AND DAIRY CALVES - BOTH GRADE AND PUREBRED.

Lancaster Farm
2220 Dairy Road
Lancaster, Pa.
717-569-2106 or 569-6800
Dennis Kolb, Mgr.

MEL KOLB
Res. 717-393-7459

Maryland Farm
Woodsboro, MD
301-898-7720 or 898-7663
Tom Miller, Mgr.

DAY MONTHLY SALE
COW SALE
AT LANCASTER
1st THURSDAY
JANUARY 6, 1983
11:00 A.M.

DAY MONTHLY SALE
COW SALE
AT MARYLAND
3rd THURSDAY
JANUARY 20, 1983
11:00 A.M.

SPECIAL HORSE SALE
DRAFT HORSES, MULES & DRIVING HORSES
FRIDAY, JANUARY 7, 1983

Tack 9:00 A.M.
Sale 10:00 A.M.

AT NEW HOLLAND SALES STABLES, INC.

12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

2 Load Draft Horses and Mules consigned by Ward Wright.
1 Load Draft Horses consigned by Bud Leonard.
1 Load Draft Horses consigned by Jim Howard.
1 Load Draft Horses consigned by Christ Smucker.
1 Load Draft Horses consigned by Bill Meadows.
1 Load Driving Horses consigned by Clayton Waterbury.
1 Load Driving Horses consigned by Elam B. Stoltzfus.
1 Load Driving Horses consigned by Reuben Stoltzfus.
1 Load Driving Horses consigned by Jonas Beiler.
1 Load Driving Horses consigned by Levi B. Stoltzfus.
1 Load Saddlebred Horses consigned by Ben King.

1 PAIR REGISTERED SORREL MARES - 7 and 8 YEARS OLD IN FOAL.

Plus many more consignments.
For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538
Next Horse Sale January 21, 1983

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C.H. WOLGEMUTH
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THINKING ABOUT BUYING GILTS?

COMPARE

WITH KLEEN LEEN'S CHECKER™ GILTS BEFORE YOU BUY AND PUT SOME NEW LIFE INTO YOUR SOW HERD

MORE CHOICES

Kleen Leen sells identifiable breeds; i.e., F_1 York-Landrace (M-Line); rotational cross York-Landrace (M-Line); York x Duroc (W-Line); York x Landrace x Duroc (V-Line); and Hamp x Duroc F_1 (B-Line) Gilts. Kleen Leen also sells purebred gilts.

VOLUME DISCOUNTS

Kleen Leen offers valuable discounts to customers who purchase more than 50 gilts during a 12-month period. Discounts range from 5.00/head to 15.00/hd.

LOCAL SERVICE

All Kleen Leen animals are sold thru local Purina dealers. They work with the local division Swine Service Manager, Kleen Leen's geneticists, veterinarians, and customer services representatives to provide technical expertise to customers. Your dealer can help you with more phases of your hog operation than anyone else.

LOCAL PRODUCTION HERDS

Kleen Leen has 1 boar and 3 gilt production herds in Pennsylvania to service you.

GUARANTEED BREEDERS

Kleen Leen offers an extra gilt up front. It's called the limited adjustment option and costs market price. For every 10 gilts purchased at regular price you can buy one at market price.

STRONGEST HEALTH WARRANTY IN THE INDUSTRY

Kleen Leen warrants that all swine shall be tested free of brucellosis and pseudorabies or come from herds validated free of brucellosis and qualified as pseudorabies free and shall be delivered free of the following diseases which may be detected within 10 days after delivery:

1. Swine Dysentery and
2. Lice

And of the following which may be detected 30 days after delivery:

1. Infectious Atrophic Rhinitis and
2. Mycoplasma Pneumonia

FREE TRUCKING

The care Kleen Leen takes to preserve health doesn't stop at the production farm. All Checker Gilts are delivered aboard a clean, sanitized truck.

BUY WITH CONFIDENCE, SELECT KLEEN LEEN.

"NO ONE OFFERS MORE."

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717 768 3301
PARADISE PA 17562

HIGH BROS.
PHONE 717 354 0301
GORDONVILLE PA 17529

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23 N PARK ST RICHLAND PA 17087

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PHONE 717 867 5161
FONTANA PA 17042

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John B Kurtz
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RD3 EPHRATA PA 17522

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HANOVER, PA 17331

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WEST WILLOW, PA 17583

SOUTHERN DIVISION
West Willow Farmers Assoc., Inc.
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RTE 472 AT UNION, PA
RD 1. OXFORD PA 19363

M. G. HENNINGER & SON, INC.
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BERRYSBURG, PA 17005

J. P. ANIMAL SUPPLY
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2497 TOME HWY.
RISING SUN, MD 21911

Anthony's Feed Mill
PHONE 215 488-6211
STRAUSSTOWN PA 19559